SANUPS A11K-Li

Lithium-ion Battery UPS

Ver.5
English







SANUPS A11K-Li

Double Conversion Online UPS with Lithium-ion Batteries





Lineup:

[No. of phases/wires]	Output ca	pacity	Battery backı	ıp time	I/O connection	UL	Order no.	Page	
Input/Output voltage	[kVA]	[kW]	Load power factor 0.8	Load power factor 0.7		certification		Specifications	Dimensions
	1	0.0		15 min	0.11.	_	S-A11KL102B0013SSN00 ⁽¹⁾	p.5	p.8
	1	8.0	13 min	15 min	Outlet	─ ✓	S-A11KL102C0013UJ ⁽¹⁾	p.10	p.11
			8 min	10 min		_	S-A11KL152B0008SSN00 ⁽¹⁾	p.5	p.8
			O IIIIII	10 111111			S-A11KL152C0008UJ ⁽¹⁾	p.10	p.11
			19 min	20 min			S-A11KL152B0019SSN00 ⁽¹⁾	p.5	p.8
			100 min	110 min			S-A11KL152B0100TSN00 ⁽¹⁾		
	1.5	1.2	200 min	220 min	Outlet		S-A11KL152B0200TSN00	- p.13	p.14
			300 min	330 min			S-A11KL152B0300TSN00	p.10	μ.14
			400 min	440 min			S-A11KL152B0400TSN00	- p.13 p.1	
			500 min	550 min			S-A11KL152B0500TSN00		p.15
			600 min	660 min		_	S-A11KL152B0600TSN00	μ.το	μ.15
	2	1.6	15 min	16 min	Outlet/terminal block	_	S-A11KL202B0015SS 00(1)	p.5	p.8
[Single-phase 2-wire]			9 min	10 min			S-A11KL302B0009SS 00(1)	n 7	n 9
100~V model			19 min	20 min			S-A11KL302B0019SS 00(1)	μ./	μ.σ
100/110/120 V			50 min	55 min			S-A11KL302B0050TS 00 ⁽¹⁾	— р.7 р.9	
	3	2.4	100 min	110 min	Outlet/terminal block		S-A11KL302B0100TS000(2)	- p.13	pp.16, 18
	3	2.7	150 min	165 min	outeyterminar block		S-A11KL302B0150TS000(2)	p.10	рр. 10, 10
			200 min	220 min			S-A11KL302B0200TS00(2)		
			250 min	275 min		_	S-A11KL302B0250TS 00	- p.13	pp.17, 19
			300 min	330 min		_	S-A11KL302B0300TS 00	μ.15	рр.17, 13
			11 min	12 min		_	S-A11KL502B0011SST00 ⁽¹⁾	p.7	p.9
			30 min	32 min			S-A11KL502B0030TST00 ⁽¹⁾		
			60 min	64 min			S-A11KL502B0060TST00	p.13	p.20
	5	4	90 min	96 min	Terminal block		S-A11KL502B0090TST00		
			120 min	128 min		_	S-A11KL502B0120TST00		
			150 min	160 min		_	S-A11KL502B0150TST00	p.13	p.21
			180 min	192 min		_	S-A11KL502B0180TST00		

⁽¹⁾ Vertical (free-standing)/rack-mount convertible (2) Free-standing or rack-mount type can be selected.

Installation examples



Mountable in an EIA standard 19-inch rack

Rack support rails are optional.



Vertical installation

You can change the orientation of the LCD panel.

Refer to the specifications for installation accessories such as vertical stands and floor mounting brackets.

Wide Operating Temperature Range

• The A11K-Li achieves an operating temperature range as wide as -20 to +55°C. It can be used with confidence even in harsh cold or hot environments.

Space-Saving

• The volume of the 30-minute backup model is about half of our conventional products,(1) and it can be installed in a smaller space.

Reduced Maintenance Work

- Our conventional UPSs⁽¹⁾ using lead-acid batteries require battery replacement about every 5 years.
- Thanks to Li-ion batteries, this UPS doesn't require battery replacement for 10 years. (2) Thus, the cost of battery replacement can be reduced.

(1) Conventional UPS: A11K (with lead-acid batteries) (2) At 30°C ambient temperature

Wide Input Range

- Its input voltage ranges from -40% to +20% of the rated voltage when the load level is less than 70%.
- Battery drain can be minimized even in unstable power environments.

Compatible with High Power Factor Loads

• With a 0.8 load power factor, the A11K-Li is capable of providing its power to loads with a high power factor.

Output capacity 1.5 kVA

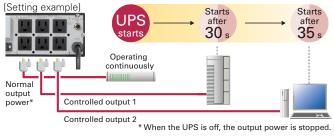
1.2 kW



Easy and Reliable Sequential System Start and Stop

• The timing of power on and shutdown of hard drives or servers can be easily scheduled. (This only applies to models with a backup time of 19 minutes or less)

Settings can be done with an outlet box; it comes built-in for 1 and 1.5 kVA models, and optional for 2 and 3 kVA models.



Easy Maintenance

- An inverter module is removable from the front of a UPS unit for easy maintenance.
- Its built-in maintenance bypass circuit allows maintenance to be performed while maintaining inverter power supply.

SANUPS SOFTWARE STANDALONE

A free software program (Windows version) that enables the power management from computers is available for download from our website.

UPS status can be checked at a glance from a PC or server.

Note: This software can only be used on computers in serial connection with UPS.

For power management via a network, we have optional network solutions available.

Main functions

- Automatic start-up/shutdown of computers
- Scheduled operation
- UPS status display
- Message display
- UPS event log

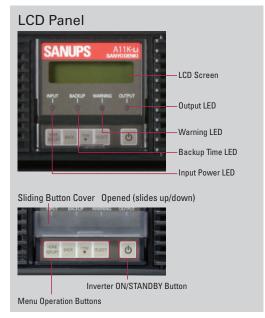
RS-232C SANUPS SOFTWARE Power supply Operation screen examples

Battery Cold Start Function

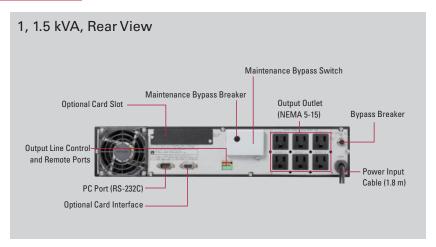
Batteries can start up the UPS even when grid AC power is not available, enabling inverter operation.

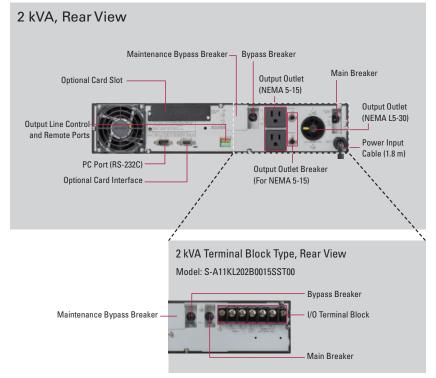
With this function enabled, the UPS can be used as an emergency power supply in the event of a natural disaster or emergency. Note that the function is disabled by default.

Views and Part Names









Note: The photos above may look different from the actual products in the printed text, etc.

Specifications

Output capacity $1_{to} 2_{kVA}$	Battery backup time 8 to 19 min

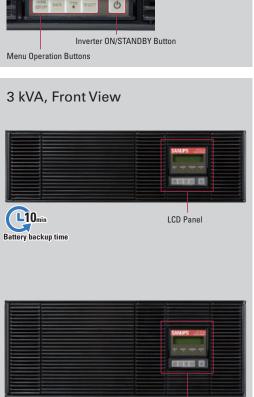
Order no.			S-A11KL102B0013SSN00	S-A11KL152B0008SSN00	S-A11KL152B0019SSN00	S-A11KL202B0015SS 00	
Rated output capacity (apparent power / active power)		1 kVA / 0.8 kW	1.5 kVA / 1.2 kW	<u> </u>	2 kVA / 1.6 kW		
Technology	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Double conversion online				
			High power factor converter				
	Cooling method		Forced air cooling				
	Inverter		High-frequency PWM				
AC input	No. of phases/wires		Single-phase 2-wire ⁽¹⁾				
·	Rated voltage		100/110/120 V (Same as outp	ut voltage)			
	Voltage range				-40% becomes -20% for reco	overv voltage)	
			At load level ≥ 70%: Within ±			,	
	Rated frequency		50/60 Hz (auto-sensing ⁽²⁾)	= 20 / 0 0 1 atou 10 aug			
	Frequency range		Within \pm 1, 3, 5, or 7% of rat	ed frequency (same as outr	ut frequency regulation)		
	Required capacity ⁽³⁾		1.1 kVA	1.5 kVA	at it oquotioy i oguludoti,	2.0 kVA	
	Input power factor		0.95 or greater	0.95 or greater		0.97 or greater	
.C output	No. of phases/wires		Single-phase 2-wire	0.00 or greater		0.07 or greater	
o output	Rated voltage		100/110/120 V (User-selectal	ole Factory setting: 100 V/			
	Rated current		10 A	15 A		20 A	
			Within ± 2% of rated voltag			20 A	
	Voltage regulation		_				
	Rated frequency	D. 2	50/60 Hz (Same as the input			/)	
	Frequency regulation	During grid operation			ctable. Factory setting: ± 3%	<u>/o)</u>	
	0	During battery operation	Within ± 0.5% of rated frequ	Jency			
	Output waveform	A.P. I I	Pure sine wave				
	Voltage harmonic distortion	At linear load	3% or less (At rated output)				
		At rectifier load	7% or less (At rated output)				
	Load power factor	Rated	0.8 lagging (Variation range:				
	Transient voltage fluctuation	For abrupt load change	Within ± 5% of rated voltage (For 0 ⇔ 100% load step changes at rated input)				
		For loss or return of input power	Within ± 5% of rated voltage	•			
	For abrupt input voltage change		Within ± 5% of rated voltage (For ± 10% abrupt change)				
	Overcurrent protection		Automatic transfer to bypass (With automatic retransfer function)				
	Overload capability Inverter		105% (for 200 ms)				
		Bypass	200% (for 30 s), 800% (for 2 cycles)				
	Output Line Control		· ·			An optional outlet box is	
	-		Date to Lor			required	
attery	Туре	I	Lithium-ion battery				
	Battery backup time ⁽⁴⁾		13 min (15 min)	8 min (10 min)	19 min (20 min)	15 min (16 min)	
		After 10 years ⁽⁵⁾	11 min (12 min)	6 min (8 min)	16 min (17 min)	12 min (13 min)	
	Battery self-test		Settings possible (Factory setting: "disabled")				
terface	PC port		RS-232C				
	Remote port		Remote ON/OFF switch (can control up to 5 UPS units in Linked Operation using a dedicated connection cable)				
	Auxiliary port		Output Line Control contact ⁽⁾				
	Dry contact		Optional dry contact interfac	•			
	Network support		Optional LAN interface card	, '			
coustic noise	During normal operati	on	41 dB	45 dB		45 dB	
	During battery operati	on or at a temperature above 40°C	51 dB	51 dB		51 dB	
eat dissipatio	n (At rated operation, a	fter battery charging completed)	82 W	127 W		153 W	
iput leakage o	current		3 mA	3 mA		3 mA	
Operating environment		Ambient temperature: -20 to	+55°C,(7) humidity: 10 to 90%	RH (non-condensing)			
torage environment ⁽⁸⁾		Temperature: -20 to +55°C, humidity: 10 to 90% RH (non-condensing)					
xpected servic	e life (of the UPS unit ex	cluding battery)	10 years (At a 30°C average	ambient temperature. For re	ference purposes only.)		
			Compliant with VCCI 32-1 Cla	ass A			
MC standard							
MC standard eparate option	ns						
eparate optio	ns		_			P10030B (outlet type), P10035B (terminal block ty	
eparate optio utlet box ⁽⁹⁾						P10030B (outlet type), P10035B (terminal block ty	
<mark>eparate optio</mark> utlet box ⁽⁹⁾ ack support ra	ails ⁽¹⁰⁾		RM030-US (2U) FMA11KA00				
	ails ⁽¹⁰⁾						

- (1) If single-wire grounding the AC input and output, set the input/output ground phase according to the UPS specification. The W (N) terminal of AC input (S phase) and the W (N) terminal of AC output (V phase) are to be grounded.
- (2) The inverter synchronizes operation with AC input and allows uninterrupted transfer through a bypass circuit provided that the AC input frequency is within a range of the rated frequency ±3% (1, 3, 5, or 7% selectable) and the AC input voltage is within the rated voltage ±20% (if the load level is less than 70%: between -40% and +20%).
- (3) Max. capacity during battery recovery charging
- (4) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries. In parentheses are values at 0.7 load power factor.
- (5) Assuming 10 power outages per year
- (6) For 2 kVA models, settings can be done with an optional outlet box.

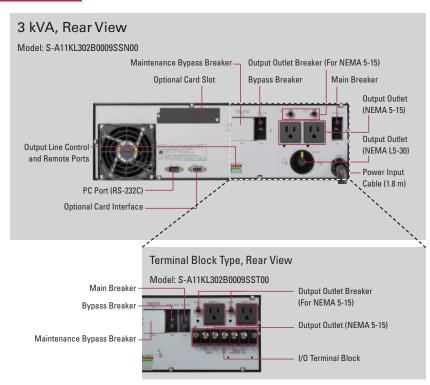
- (7) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (8) Avoid use or storage in 30°C or higher temperatures for extended periods of time, or the battery's life will be shortened. If a UPS is to be stored for a long period, it will be necessary to recharge batteries once every six months.
- (9) Enables Output Line Control, the coordinated on/off management of UPS outlets. "Output 0" is normal output; "Output 1 (and 2)" is controlled output.
- Note that its operating temperature range is different from that of the UPS.
- (10) Used for mounting the UPS on a standard 19-inch rack. Prior to purchase, check that the rails are mountable to your 19-inch rack.
- (11) Used to secure a free-standing type UPS to the floor.
- (12) Used to carry a vertically-installed UPS.
- (13) A front side air intake filter for preventing dust ingress.

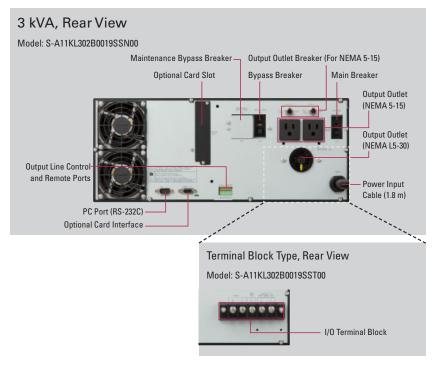
Views and Part Names



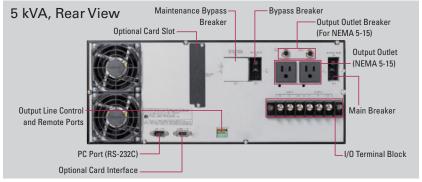


LCD Panel









Note: The photos above may look different from the actual products in the printed text, etc.

L19_{min}

Battery backup time

Specifications

Output capacity 3 kVA, 5 kVA

Order no.			S-A11KL302B0009SS\[-00\] S-A11KL302B0019SS\[-00\] S-A11KL502B0011SST00				
Rated output capacity (apparent power / active power)			3 kVA / 2.4 kW 5 kVA / 4 kW				
Technology	Topology Rectifier		Double conversion online				
			High power factor converter				
	Cooling method		Forced air cooling				
	Inverter		High-frequency PWM				
AC input	No. of phases/wires		Single-phase 2-wire(1)				
	Rated voltage		100/110/120 V (Same as output v	oltage)			
	Voltage range			o +20% of rated voltage (-40% becom	es -20% for recovery voltage)		
			At load level ≥ 70%: Within ±20		, , , , , , , , , , , , , , , , , , , ,		
	Rated frequency		50/60 Hz (auto-sensing ⁽²⁾)	,			
	Frequency range		•	requency (same as output frequency	regulation)		
	Required capacity ⁽³⁾		3.0 kVA	aquento, (cumo de curpur noqueno)	5.3 kVA		
	Input power factor		0.97 or greater		0.97 or greater		
AC output	No. of phases/wires		Single-phase 2-wire		0.37 of greater		
ic output				Footon, acting, 100 V/			
	Rated voltage		100/110/120 V (User-selectable.	ractory setting. 100 v)	F0 A		
	Rated current		30 A	and a stand	50 A		
	Voltage regulation		Within ±2% of rated voltage (at				
	Rated frequency	D 4414	50/60 Hz (Same as the input rate				
	Frequency regulation			ed frequency (User-selectable. Facto	ry seπing: ±3%)		
		During battery operation	Within ±0.5% of rated frequenc	У			
	Output waveform		Pure sine wave				
	Voltage harmonic	At linear load	3% or less (At rated output)				
	distortion	At rectifier load	7% or less (At rated output)				
Ī	Load power factor	Rated	0.8 lagging (Variation range: 0.7 lagging to 1.0)				
	Transient voltage	For abrupt load change	Within ±5% of rated voltage (For 0⇔100% load step changes at rated input)				
	fluctuation	For loss or return of input power	Within ±5% of rated voltage (At rated output)				
	For abrupt input voltage change		Within ±5% of rated voltage (For ±10% abrupt change)				
	Overcurrent protectio	n	Automatic transfer to bypass (With automatic retransfer function)				
	Overload capability	Inverter	105% (for 200 ms)				
	Bypass		200% (for 30 s), 800% (for 2 cycles)				
	Output Line Control			An optional outlet box is required			
Battery	Туре		Lithium-ion battery				
	Battery backup time ⁽⁴⁾ Initial value		9 min (10 min)	19 min (20 min)	11 min (12 min)		
	Duttery buckup time			10	9 min (10 min)		
	Buttery Buckup time	After 10 years ⁽⁵⁾	6 min (8 min)	16 min (17 min)	[3 iiiiii (10 iiiiii)		
	Battery self-test				3 111111 (10 111111)		
nterface	Battery self-test		6 min (8 min) Settings possible (Factory settings-232C		3 11111 (10 11111)		
nterface	Battery self-test PC port		Settings possible (Factory settin RS-232C	g: "disabled")			
nterface	Battery self-test PC port Remote port		Settings possible (Factory settin RS-232C Remote ON/OFF switch (can con	g: "disabled")	ation using a dedicated connection cable)		
nterface	Battery self-test PC port Remote port Auxiliary port		Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾	g: "disabled") ntrol up to 5 UPS units in Linked Opera			
nterface	Battery self-test PC port Remote port Auxiliary port Dry contact		Settings possible (Factory settin RS-232C Remote ON/OFF switch (can con Output Line Control contact ⁽⁶⁾ Optional dry contact interface c	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required			
	Battery self-test PC port Remote port Auxiliary port Dry contact Network support	After 10 years ⁽⁵⁾	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can con Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required	ation using a dedicated connection cable)		
	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During normal operation	After 10 years ⁽⁵⁾	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required	ation using a dedicated connection cable)		
Acoustic noise	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During normal operati During battery operat	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required	ation using a dedicated connection cable) 46 dB 55 dB		
Acoustic noise Heat dissipatio	Battery self-test PC port Remote port Auxiliary port Dry contact Network support e During normal operati During battery operat on (At rated operation, a	After 10 years ⁽⁵⁾	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required	ation using a dedicated connection cable) 46 dB 55 dB 421 W		
Acoustic noise Heat dissipatic nput leakage	Battery self-test PC port Remote port Auxiliary port Dry contact Network support e During normal operation (At rated operation, accurrent	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA		
Acoustic noise Heat dissipatio nput leakage Operating envi	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During normal operation (At rated operation, a current	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C, (7) humidity: 10 to 90% RH (non-cor	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		
Acoustic noise Heat dissipatio nput leakage Operating enviro Storage enviro	Battery self-test PC port Remote port Auxiliary port Dry contact Network support E During normal operation (At rated operation, a current irronment (8)	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C after battery charging completed)	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C,(7) humidity: 10 to 90% RH (non-cond)	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		
Acoustic noise leat dissipation nput leakage Operating enviro Storage enviro Expected servi	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During normal operation (At rated operation, a current irronment) ire life (of the UPS unit	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C after battery charging completed)	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55 Ambient temperature: -20 to +55 10 years (At a 30°C average ambient	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C, ⁽⁷⁾ humidity: 10 to 90% RH (non-cond ient temperature. For reference purp	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		
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Acoustic noise Heat dissipatic nput leakage Operating envir Storage enviro Expected servi EMC standard Separate optio	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During normal operation (At rated operation, a current irronment onment(8)) ice life (of the UPS unit	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C after battery charging completed)	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55 Ambient temperature: -20 to +55 10 years (At a 30°C average ambient	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C, ⁽⁷⁾ humidity: 10 to 90% RH (non-cond ient temperature. For reference purp	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		
Acoustic noise Heat dissipatio nput leakage Dperating enviro Expected servi EMC standard Separate optio Dutlet box(9)	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During battery operation (At rated operation, a current irronment) irce life (of the UPS unit	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C after battery charging completed)	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55 10 years (At a 30°C average amt Compliant with VCCI 32-1 Class P10030B (outlet type), P10035B (terminal block type)	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C,(7) humidity: 10 to 90% RH (non-cord °C, humidity: 10 to 90% RH (non-cond) ident temperature. For reference purp	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		
Acoustic noise Heat dissipatic Input leakage e Operating enviro Expected servi EMC standard Separate optio Outlet box ⁽⁹⁾ Rack support r	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During battery operation (At rated operation, a current irronment) poment (8) cice life (of the UPS unit) parails(10)	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C after battery charging completed)	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55 10 years (At a 30°C average amt Compliant with VCCI 32-1 Class	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C, ⁽⁷⁾ humidity: 10 to 90% RH (non-cond ient temperature. For reference purp	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		
Heat dissipatic Input leakage Operating envi Storage enviro	Battery self-test PC port Remote port Auxiliary port Dry contact Network support During battery operation (At rated operation, a current irronment on the comment of the comment of the comment of the comment on the comment of the comment on the comment of	After 10 years ⁽⁵⁾ ion ion or at a temperature above 40°C after battery charging completed)	Settings possible (Factory settin RS-232C Remote ON/OFF switch (can cor Output Line Control contact ⁽⁶⁾ Optional dry contact interface c Optional LAN interface card is r 46 dB 55 dB 254 W 3.5 mA Ambient temperature: -20 to +55 10 years (At a 30°C average amt Compliant with VCCI 32-1 Class P10030B (outlet type), P10035B (terminal block type)	g: "disabled") ntrol up to 5 UPS units in Linked Opera ard is required equired °C,(7) humidity: 10 to 90% RH (non-cord °C, humidity: 10 to 90% RH (non-cond) ident temperature. For reference purp	ation using a dedicated connection cable) 46 dB 55 dB 421 W 3.5 mA indensing)		

- (1) If single-wire grounding the AC input and output, set the input/output ground phase according to the UPS specification. The W (N) terminal of AC input (S phase) and the W (N) terminal of AC output (V phase) are to be grounded.
- (2) The inverter synchronizes operation with AC input and allows uninterrupted transfer through a bypass circuit provided that the AC input frequency is within a range of the rated frequency ±3% (1, 3, 5, or 7% selectable) and the AC input voltage is within the rated voltage ±20% (if the load level is less than 70%: between -40% and +20%).
- (3) Max. capacity during battery recovery charging
- (4) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries. In parentheses are values at 0.7 load power factor.
- (5) Assuming 10 power outages per year
- (6) For 3 kVA models, settings can be done with an optional outlet box.

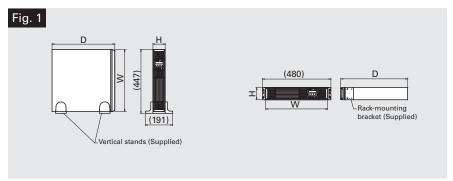
- (7) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (8) Avoid use or storage in 30°C or higher temperatures for extended periods of time, or the battery's life will be shortened. If a UPS is to be stored for a long period, it will be necessary to recharge batteries once every six months.
- (9) Enables Output Line Control, the coordinated on/off management of UPS outlets. "Output 0" is normal output; "Output 1 (and 2)" is controlled output.
- Note that its operating temperature range is different from that of the UPS.
- (10) Used for mounting the UPS on a standard 19-inch rack. Prior to purchase, check that the rails are mountable to your 19-inch rack.
- (11) Used to secure a free-standing type UPS to the floor.
- (12) Used to carry a vertically-installed UPS.
- (13) A front side air intake filter for preventing dust ingress.

Dimensions

Output capacity 1 to 2 kVA

Order no.(1)	Outlet type	S-A11KL102B0013SSN00	S-A11KL152B0008SSN00	S-A11KL152B0019SSN00	S-A11KL202B0015SSN00		
	Terminal block type	_	_	_	S-A11KL202B0015SST00		
Rated output c	• •	1 kVA / 0.8 kW	1.5 kVA / 1.2 kW	1.5 kVA / 1.2 kW	2 kVA / 1.6 kW		
(apparent pow	er / active power)						
Battery backup	o time ⁽²⁾	13 min (15 min)	8 min (10 min)	19 min (20 min)	15 min (16 min)		
Battery capacit	ty [Ah·cell]	84	84	180	180		
Battery power	consumption [Wh]	310	310	666	666		
Input plug		NEMA 5-15P	NEMA 5-15P	NEMA 5-15P	NEMA L5-30P or M5 terminal		
Output outlet		NEMA 5-15R × 6	NEMA 5-15R × 6	NEMA 5-15R × 6	NEMA L5-30R × 1 or M5 terminal NEMA 5-15R × 2 (15 A each)		
Acoustic noise	During normal operation	41 dB	45 dB	45 dB	45 dB		
	During battery operation or at a temperature above 40°C	51 dB	51 dB	51 dB	51 dB		
	n (At rated operation, narging completed)	82 W	127 W	127 W	153 W		
Input leakage o	current	3 mA	3 mA	3 mA	3 mA		
Operating envir	ronment	Ambient temperature: -20 to +55°C,(3) humidity: 10 to 90% RH (non-condensing)					
Dimensions ⁽⁴⁾ (I	Unit: mm)						
Drawing		Fig. 1	Fig. 1	Fig. 1	Fig. 1		
W		435	435	435	435		
Н		86 (2U)	86 (2U)	86 (2U)	86 (2U)		
D		440	488	625	625		
Mass		17 kg	18 kg	27 kg	27 kg		

- (1) Vertical/rack-mount convertible
- (2) At a 25°C ambient temperature, 0.8 load power factor, using new, fully charged batteries. The values in parentheses are the values at a load power factor of 0.7.
- (3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (4) Dimensions do not include protruding objects like screws.



Paint color: Black (Munsell N1.5)

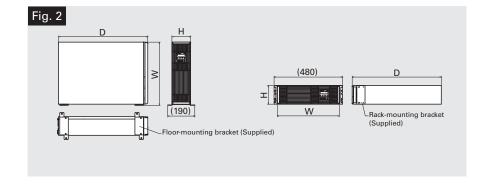


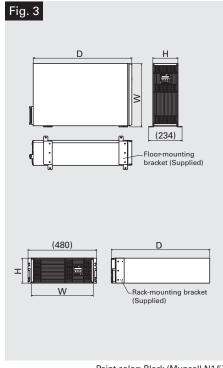


Output capacity $3\,\mathrm{kVA},\,5\,\mathrm{kVA}$

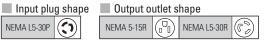
Order no.(1)	Outlet type	S-A11KL302B0009SSN00	S-A11KL302B0019SSN00	_			
	Terminal block type	S-A11KL302B0009SST00	S-A11KL302B0019SST00	S-A11KL502B0011SST00			
Rated output ca (apparent powe	· ·	3 kVA / 2.4 kW	3 kVA / 2.4 kW	5 kVA / 4 kW			
Battery backup	time ⁽²⁾	9 min (10 min)	19 min (20 min)	11 min (12 min)			
Battery capacity	/[Ah·cell]	180	360	360			
Battery power c	onsumption [Wh]	666	1332	1332			
Input plug		NEMA L5-30P or M5 terminal	NEMA L5-30P or M5 terminal	M5 terminal			
Output outlet		NEMA L5-30R × 1 or M5 terminal NEMA 5-15R × 2 (15 A each)	NEMA L5-30R × 1 or M5 terminal NEMA 5-15R × 2 (15 A each)	M5 terminal NEMA 5-15R × 2 (15 A each)			
Acoustic noise	During normal operation	46 dB	46 dB	46 dB			
	During battery operation or at a temperature above 40°C	55 dB	55 dB	55 dB			
	(At rated operation, arging completed)	254 W	254 W	421 W			
Input leakage cu	ırrent	3.5 mA	3.5 mA	3.5 mA			
Operating enviro	onment	Ambient temperature: -20 to +55°C, (3) humidity: 10 to 90% RH (non-condensing)					
Dimensions ⁽⁴⁾ (U	nit: mm)						
Drawing		Fig. 2	Fig. 3	Fig. 3			
W		435	435	435			
Н		131 (3U)	175 (4U)	175 (4U)			
D		625	690	690			
Mass		32 kg	47 kg	49 kg			

- (1) Vertical/rack-mount convertible
- (2) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries. In parentheses are values at 0.7 load power factor.
- (3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (4) Dimensions do not include protruding objects like screws.





Paint color: Black (Munsell N1.5)



Specifications

UL certified models Output capacity 1 kVA, 1.5 kVA

Order no.			S-A11KL102C0013UJ	S-A11KL152C0008UJ		
UL-registered no.			A11KL102U001J	A11KL152U001J		
	capacity (apparent powe	er / active power)	1 kVA / 0.8 kW	At 100 V setting: 1.25 kVA / 1.0 kW At 110 V setting: 1.375 kVA / 1.1 kW At 120 V setting: 1.5 kVA / 1.2 kW		
Technology	Topology		Double conversion online			
	Rectifier		High power factor converter			
	Cooling method		Forced air cooling			
	Inverter		High-frequency PWM			
.C input	No. of phases/wires		Single-phase 2-wire ⁽¹⁾			
	Rated voltage		100/110/120 V (Same as output voltage)			
	Voltage range			d voltage (-40% becomes -20% when returning to grid operation)		
			At load level ≥ 70%: Within ±20% of rated volt	age		
	Rated frequency		50/60 Hz (auto-sensing ⁽²⁾)			
	Frequency range		Within \pm 1/3/5/7% of rated frequency (same as			
	Required capacity ⁽³⁾		1.1 kVA	1.5 kVA		
	Input power factor		0.95 or greater			
C output	No. of phases/wires		Single-phase 2-wire			
	Rated voltage		100/110/120 V (User-selectable. Factory setting			
	Rated current		10 A	12.5 A		
	Voltage regulation		Within $\pm 2\%$ of rated voltage (at rated output)			
	Rated frequency		50/60 Hz (Same as the input rated frequency)			
	Frequency regulation	During grid operation	Within \pm 1/3/5/7% of the rated frequency (User-selectable. Factory setting: \pm 3%)			
		During battery operation	Within ±0.5% of rated frequency			
	Output waveform		Pure sine wave			
	Voltage harmonic	At linear load	3% or less (At rated output)			
	distortion	At rectifier load	7% or less (At rated output)			
	Load power factor Rated		0.8 lagging (Variation range: 0.7 lagging to 1.0)			
	Transient voltage fluctuation	For abrupt load change	Within ±5% of rated voltage (For 0⇔100% load step changes at rated input)			
		For loss or return of input power	Within ±5% of rated voltage (at rated output)			
		For abrupt input voltage change	Within ±5% of rated voltage (For ±10% abrupt change)			
	Overcurrent protection	n	Automatic transfer to bypass (With automatic retransfer function)			
	Overload capability	Inverter	105% (for 200 ms)			
		Bypass	200% (for 30 s), 800% (for 2 cycles)			
	Output Line Control		Yes			
attery	Туре		Lithium-ion battery			
	Battery backup time ⁽⁴⁾		13 min (15 min)	8 min (10 min)		
		After 10 years ⁽⁵⁾	11 min (12 min)	6 min (8 min)		
	Battery self-test		Can be enabled (Factory setting: "disabled")			
terface	PC port		RS-232C			
	Remote port			S units in Linked Operation using a dedicated connection cable)		
	Dry contact		Optional dry contact interface card is required			
	Network support		Optional LAN interface card is required			
coustic noise	e During normal operati		41 dB	45 dB		
		on or at a temperature above 40°C		51 dB		
	•	fter battery charging completed)	82 W	127 W		
nput leakage			3 mA	3 mA		
perating env			Ambient temperature: -20 to +55°C, (6) humidity:			
torage enviro			Temperature: -20 to +55°C, humidity: 10 to 90% RH (non-condensing)			
•	vice life (of the UPS unit	excluding battery)	10 years (At a 30°C average ambient temperatu			
afety standa			UL 1778 5th edition (E226092), CSA C22.2 No. 10	7.3-14 (3rd edition)		
MC standard			Compliant with VCCI 32-1 Class A			
oporot	000		Self-declared for FCC Part 15, Subpart B Class	A		
eparate optio			DM020 118 (211)			
ack support			RM030-US (2U)			
loor mounting	•		FMA11KA00			
Caster base(10			CBA11KA01			
Air filter kit ⁽¹¹⁾			FL008-3			

- (1) If single-wire grounding the AC input and output, set the input/output ground phase according to the UPS specification. The W (N) terminal of AC input (S phase) and the W (N) terminal of AC output (V phase) are to be grounded.
- (2) The inverter synchronizes operation with AC input and allows uninterrupted transfer through a bypass circuit provided that the AC input frequency is within a range of the rated frequency ±3% (1, 3, 5, or 7% selectable) and the AC input voltage is within the rated voltage ±20% (if the load level is less than 70%: between -40% and +20%).
- (3) Max. capacity during battery recovery charging
- (4) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries. In parentheses are values at 0.7 load power factor.
- (5) Assuming 10 power outages per year

- (6) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (7) Avoid use or storage in 30°C or higher temperatures for extended periods of time, or the battery's life will be shortened. If a UPS is to be stored for a long period, it will be necessary to recharge batteries once every six months.
- (8) Used for mounting the UPS on a standard 19-inch rack. Prior to purchase, check that the rails are mountable to your 19-inch rack.
- (9) Used to secure a free-standing type UPS to the floor.
- (10) Used to carry a vertically-installed UPS.
- (11) A front side air intake filter for preventing dust ingress.

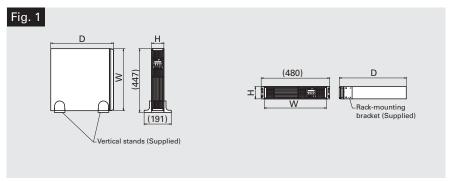
Dimensions

UL certified models Output capacity 1 kVA, 1.5 kVA

Order no. ⁽¹⁾		S-A11KL102C0013UJ	S-A11KL152C0008UJ		
Rated output capacity (apparent power / active power)		1 kVA / 0.8 kW	At 100 V setting: 1.25 kVA / 1.0 kW At 110 V setting: 1.375 kVA / 1.1 kW At 120 V setting: 1.5 kVA / 1.2 kW		
Battery bac	ckup time ⁽²⁾	13 min (15 min)	8 min (10 min)		
Battery cap	oacity [Ah∙cell]	80	80		
Battery pov	ver consumption [Wh]	264	264		
Input plug		NEMA 5-15P	NEMA 5-15P		
Output outle	et	NEMA 5-15R × 6	NEMA 5-15R × 6		
Acoustic	During normal operation	41 dB	45 dB		
noise	During battery operation or at a temperature above 40°C	51 dB	51 dB		
	ation (At rated operation, y charging completed)	82 W	127 W		
Input leaka	ge current	3 mA	3 mA		
Operating e	environment	Ambient temperature: -20 to +55°C, (3) humidity: 10 to 90% RH (non-condensing)			
Dimensions	s ⁽⁴⁾ (Unit: mm)				
Drawing		Fig. 1	Fig. 1		
W		435	435		
Н		86 (2U)	86 (2U)		
D		440	488		
Mass		16 kg	17 kg		

⁽¹⁾ Vertical/rack-mount convertible

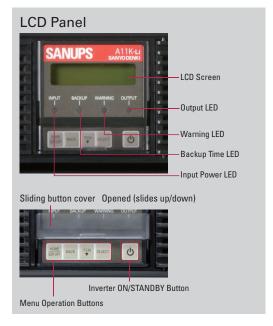
- (2) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries. In parentheses are values at 0.7 load power factor.
- (3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (4) Dimensions do not include protruding objects like screws.

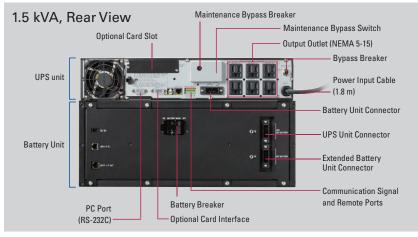


Paint color: Black (Munsell N1.5)

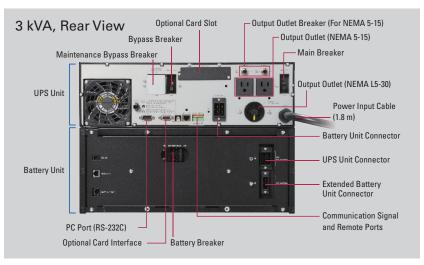


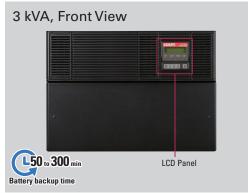
Views and Part Names

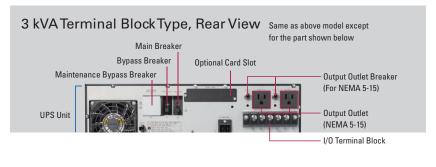


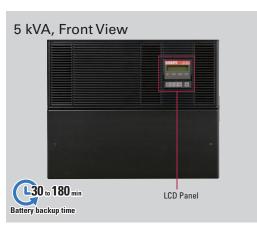


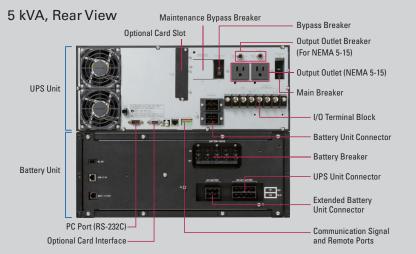












Note: The photos above may look different from the actual products in the printed text, etc.

Specifications

Output capacity 1.5 to 5 kVA Battery backup time 30 to 600 min

Order no. (A se	t of a UPS unit and bat	tery units)	S-A11KL152B0 00TSN00	S-A11KL302B0 OTS 00	S-A11KL502B0 OTST00		
UPS unit model no.			A11KL152	A11KL302	A11KL502		
Rated output capacity (apparent power / active power)			1.5 kVA / 1.2 kW 3 kVA / 2.4 kW 5 kVA / 4 kW				
Technology	Topology		Double conversion online				
	Rectifier		High power factor converter				
	Cooling method		Forced air cooling				
	Inverter		High-frequency PWM				
AC input	No. of phases/wires		Single-phase 2-wire ⁽¹⁾				
•	Rated voltage		100/110/120 V (Same as output voltage				
	Voltage range			-, % of rated voltage (-40% becomes -20%	for recovery voltage)		
	Tonago rango		At load level ≥ 70%: Within ±20% of re		ion receivery remage,		
	Rated frequency		50/60 Hz (auto-sensing ⁽²⁾)	atou voltago			
	Frequency range		•	ncy (same as output frequency regulati	onl		
	Required capacity ⁽³⁾		1.5 kVA	3.0 kVA	5.3 kVA		
	Input power factor		0.95 or greater	0.97 or greater	3.3 KVA		
Coutout	No. of phases/wires		*	0.97 of greater			
C output			Single-phase 2-wire				
	Rated voltage		100/110/120 V (User-selectable, Factor		F0.4		
	Rated current		15 A	30 A	50 A		
	Voltage regulation		Within ±2% of rated voltage (at rated				
	Rated frequency	I	50/60 Hz (Same as the input rated freq		Lago		
	Frequency regulation	During grid operation		quency (User-selectable. Factory settin	g: ±3%)		
	-	During battery operation	Within ±0.5% of rated frequency				
	Output waveform		Pure sine wave				
	Voltage harmonic	At linear load	3% or less (At rated output)				
	distortion	At rectifier load	7% or less (At rated output)				
	Load power factor	Rated	0.8 lagging (Variation range: 0.7 laggin	ng to 1.0)			
	Transient voltage	For abrupt load change	Within ±5% of rated voltage (For 0⇔100% load step changes at rated input; output switching)				
	fluctuation	For loss or return of input power	Within ±5% of rated voltage (At rated output)				
		For abrupt input voltage change	Within $\pm 5\%$ of rated voltage (For ± 10	% abrupt change)			
	Overcurrent protectio	n	Automatic transfer to bypass (With automatic retransfer function)				
	Overload capability Inverter Bypass Output Line Control		105% (for 200 ms)				
			200% (for 30 s), 800% (for 2 cycles) No				
Battery	Туре		Lithium-ion battery				
	Battery backup time(4)	Initial value	100/200/300/400/500/600 min	50/100/150/200/250/300 min	30/60/90/120/150/180 min		
		After 10 years(5)	95/190/285/380/475/570 min	47/95/142/190/237/285 min	28/57/85/114/142/171 min		
	Battery self-test		Settings possible (Factory setting: "dis	sabled")	-		
nterface	PC port		RS-232C				
	Remote port			p to 5 UPS units in Linked Operation us	ing a dedicated connection cable)		
	Communication signa	I nort	Failure/Outage	,	3		
	Dry contact	, port	Optional dry contact interface card is required				
	Network support		Optional LAN interface card is required				
Acquetic noise	During normal operati	ion	45 dB or less	46 dB or less	46 dB or less		
10003110 110130		_	51 dB or less	55 dB or less	55 dB or less (60 dB or less when		
	During battery operat	ion or at a temperature above 40°C	31 db 01 lc33	33 db 01 lc33	battery voltage is low)		
leat dissipatio	n (At rated operation, a	ifter battery charging completed)	127 W	254 W	430 W		
nput leakage o		, , , , , , , , , , , , , , , , , , ,	3 mA or less	3.5 mA or less	3.5 mA or less		
perating envir			Ambient temperature: -20 to +55°C, (6) humidity: 10 to 90% RH (non-condensing)				
Storage enviro					<i>y</i> ,		
Expected service life (of the UPS unit excluding battery) EMC standard			Ambient temperature: -20 to +55°C, humidity: 10 to 90% RH (non-condensing) 10 years (At a 30°C average ambient temperature. For reference purposes only.)				
			Compliant with VCCI 32-1 Class A	opo. acuro. For reference purposes un	1		
Separate option	10		Compilant with vool 32-1 class A				
JPS unit rack s			RM030-US (2U)	RM027-US (3U)	RM028-US (4U)		
	• • • • • • • • • • • • • • • • • • • •				· · ·		
	k support rails(8)	. J: + 1/9)	RM028-US (4U)	RM028-US (4U)	RM028-US (4U)		
-	brackets (for free-star	iuiig type) ^w	FMBCA01	FMBCA01	FMBCA01		
ir filter kit ⁽¹⁰⁾			FL008-3	FL009-3	FL010-3		

- (1) If single-wire grounding the AC input and output, set the input/output ground phase according to the UPS specification. The W (N) terminal of AC input (S phase) and the W (N) terminal of AC output (V phase) are to be grounded.
- (2) The inverter synchronizes operation with AC input and allows uninterrupted transfer through a bypass circuit provided that the AC input frequency is within a range of the rated frequency ±3% (1, 3, 5, or 7% selectable) and the AC input voltage is within the rated voltage ±20% (if the load level is less than 70%: between -40% and +20%).
- (3) Max. capacity during battery recovery charging
- (4) At 25° C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
- (5) Assuming 10 power outages per year

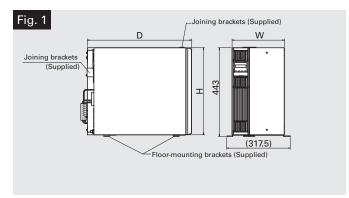
- (6) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (7) Avoid use or storage in 30°C or higher temperatures for extended periods of time, or the battery's life will be shortened. If a UPS is to be stored for a long period, it will be necessary to recharge batteries once a year.
- (8) Used for mounting a UPS unit and battery unit on an EIA standard 19-inch rack. Prior to purchase, check that the rails are mountable to your 19-inch rack.
- (9) Used to secure a free-standing type to the floor.
- (10) A front side air intake filter for preventing dust ingress.

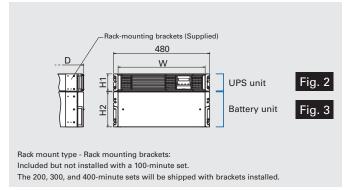
Dimensions

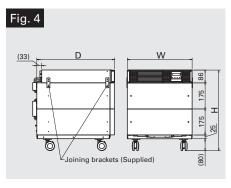
Output capacity 1.5 kVA

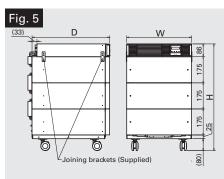
Free-standing type Order no. (A set of a UPS unit and battery units)		S-A11KL152B0200TSN00	S-A11KL152B0300TSN00	S-A11KL152B0400TSN00		
Rack mount type Order no. (A set of a UPS unit and battery units)	S-A11KL152B0100TSN00 ⁽¹⁾	S-A11KL152B0200TSN00RM	S-A11KL152B0300TSN00RM	S-A11KL152B0400TSN00RM		
Rated output capacity (apparent power / active power)	1.5 kVA / 1.2 kW					
Battery backup time ⁽²⁾	100 min	200 min	300 min	400 min		
Battery capacity [Ah·cell]	1104	2208	3312	4416		
Battery power consumption [Wh]	2484	4968	7452	9936		
nput plug	NEMA 5-15P					
Output outlet	NEMA 5-15R × 6					
Acoustic noise During normal operation	45 dB or less					
During battery operation or a a temperature above 40°C	st 51 dB or less					
Heat dissipation (At rated operation, after battery charging completed)	127 W					
Input leakage current	3 mA or less					
Operating environment	Ambient temperature: -20 to +5	5°C, ⁽³⁾ humidity: 10 to 90% RH (non-co	ndensing)			
Free-standing type - Dimensions ⁽⁴⁾ (Unit: mm)					
Drawing	Fig. 1	Fig. 4	Fig. 5	Fig. 6		
W	86+175	435	435	435		
Н	435	541	716	891		
D	520	520	520	520		
Mass	66 kg	124 kg	176 kg	228 kg		
Rack mount type - UPS unit dimensions ⁽⁴⁾ (U	nit: mm)					
Drawing	Fig. 2					
N	435					
H1	86 (2U)					
D	488	8				
Mass	14 kg					
Rack mount type - Battery unit dimensions ⁽⁴⁾	(Unit: mm)					
Drawing	Fig. 3 × 1	Fig. 3 × 2	Fig. 3 × 3	Fig. 3 × 4		
N	435	435	435	435		
H2	175 (4U)	175 × 2 (8U)	175 × 3 (12U)	175 × 4 (16U)		
D	520	520	520	520		
Mass	52 kg	52 kg × 2	52 kg × 3	52 kg × 4		

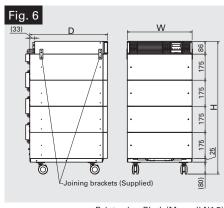
- (1) Vertical/rack-mount convertible
- (2) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
- (3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (4) Dimensions do not include protruding objects like screws.













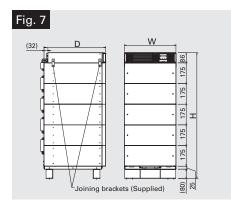


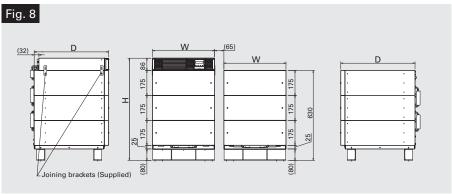
Paint color: Black (Munsell N1.5)

Output capacity 1.5 kVA

Output C	apacity I.J KVA					
Free-standin (A set of a UI	g type Order no. PS unit and battery units)	S-A11KL152B0500TSN00	S-A11KL152B0600TSN00			
Rack mount type Order no. (A set of a UPS unit and battery units)		_	_			
Rated outpu	t capacity	1.5 kVA / 1.2 kW	<u> </u>			
	ower / active power)					
Battery back	kup time ⁽¹⁾	500 min	600 min			
	acity [Ah·cell]	5520	6624			
Battery pow	er consumption [Wh]	12420	14904			
Input plug		NEMA 5-15P				
Output outle	t	NEMA 5-15R × 6				
Acoustic	During normal operation	45 dB				
	During battery operation or at a temperature above 40°C					
	tion (At rated operation, charging completed)	127 W				
Input leakag	je current	3 mA or less				
Operating er	nvironment	Ambient temperature: -20 to +55°C, ⁽²⁾ humidity: 10 to 90% RH (non-condensing)				
Free-standir	ng type - Dimensions ⁽³⁾ (Unit: mm)					
Drawing		Fig. 7	Fig. 8			
W		435	435 + 435 (+ 65)			
Н		1066	716			
D		520	520			
Mass		286 kg	184 + 170 kg			
Rack mount	type - UPS unit dimensions(3) (Unit:	mm)				
Drawing		I—				
W		_				
H1		_				
D		_				
Mass		_				
Rack mount	type - Battery unit dimensions(3) (Ur	nit: mm)				
Drawing		_				
W		_				
H2		_				
D		_				
Mass		_				

- (3) Dimensions do not include protruding objects like screws.
- (1) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
 (2) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.





Paint color: Black (Munsell N1.5)

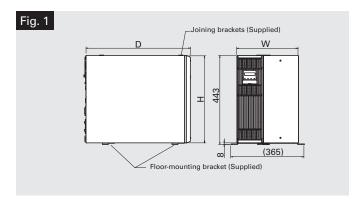


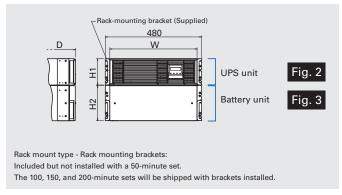
Output outlet shape NEMA 5-15R

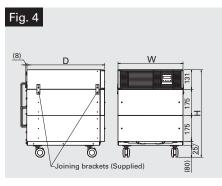
Dimensions

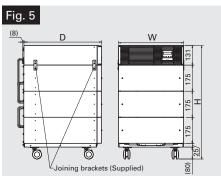
Free-standing type Order no. (A set of a UPS unit and battery units) Rack mount type Order no.			S-A11KL302B0100TSN00	S-A11KL302B0150TSN00	S-A11KL302B0200TSN00		
		S-A11KL302B0050TSN00 ⁽¹⁾	C 844VI 202D0400TCN00D84	C A44VI 202D04F0TCN00DN4	0 144W 0000000 0		
(A set of a UPS	unit and battery units)		S-A11KL302B0100TSN00RM	S-A11KL302B0150TSN00RM	S-A11KL302B0200TSN00RM		
Rated output ca		3 kVA / 2.4 kW					
	r / active power)						
Battery backup		50 min	100 min	150 min	200 min		
Battery capacit	,	1104	2208	3312	4416		
	consumption [Wh]	2484	4968	7452	9936		
nput plug		NEMA L5-30P					
Output outlet		NEMA L5-30R × 1, NEMA 5-15F	R × 2 (15 A each)				
coustic noise	During normal operation	46 dB or less					
	During battery operation or at a temperature above 40°C	55 dB or less					
	n (At rated operation, arging completed)	254 W	254 W				
nput leakage c	urrent	3.5 mA or less					
Operating envir	onment	Ambient temperature: -20 to +55°C,(3) humidity: 10 to 90% RH (non-condensing)					
ree-standing ty	/pe - Dimensions ⁽⁴⁾ (Unit: mm)						
Orawing		Fig. 1	Fig. 4	Fig. 5	Fig. 6		
V		131+175	435	435	435		
Н		435	586	761	936		
D		520	520	520	520		
Vlass		74 kg	132 kg	184 kg	236 kg		
Rack mount typ	e - UPS unit dimensions ⁽⁴⁾ (Unit: I	mm)					
Drawing		Fig. 2					
N		435					
H1		131 (3U)					
ס		520					
Mass		22 kg					
Rack mount typ	e - Battery unit dimensions ⁽⁴⁾ (Un	it: mm)					
)rawing		Fig. 3 × 1	Fig. 3 × 2	Fig. 3 × 3	Fig. 3 × 4		
N		435	435	435	435		
12		175 (4U)	175 × 2 (8U)	175 × 3 (12U)	175 × 4 (16U)		
D		520	520	520	520		
Mass		52 kg	52 kg × 2	52 kg × 3	52 kg × 4		

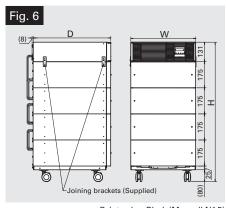
- (1) Vertical/rack-mount convertible
- (2) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
- (3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (4) Dimensions do not include protruding objects like screws.











Input plug shape

Output outlet shape

NEMA 5-15R NEMA L5-30R P

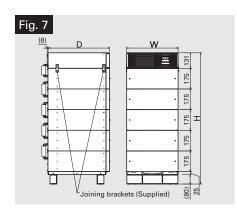
Output capacity 3 kVA Terminal block type in the next page

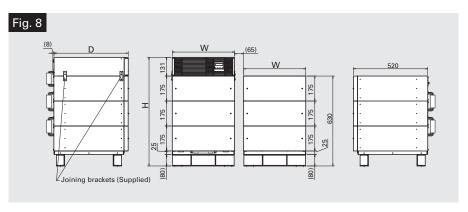
		- Stook type in the Horizont page		
Free-standing	ng type Order no. JPS unit and battery units)	S-A11KL302B0250TSN00	S-A11KL302B0300TSN00	
Rack mount				
	IPS unit and battery units)	_	_	
Rated output	·	3 kVA / 2.4 kW		
	ower / active power)	ONA, 24 AV		
Battery bac	kup time ⁽¹⁾	250 min	300 min	
Battery cap	acity [Ah·cell]	5520	6624	
Battery pow	ver consumption [Wh]	12420	14904	
Input plug		NEMA L5-30P		
Output outle	et	NEMA L5-30R × 1, NEMA 5-15R × 2 (15 A each)		
Acoustic	During normal operation	46 dB or less		
noise	During battery operation or at a temperature above 40°C	55 dB or less		
Heat dissipation (At rated operation, after battery charging completed)		254 W		
Input leakag	je current	3.5 mA or less		
Operating e	nvironment	Ambient temperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-condensing)		
Free-standing type - Dimensions(3) (Unit: mm)				
Drawing		Fig. 7	Fig. 8	
W		435	435 + 435 (+ 65)	
Н		1111	761	
D		520	520	
Mass		294 kg	192 + 170 kg	
Rack mount type - UPS unit dimensions ⁽³⁾ (Unit: mm)				
Drawing		<u></u>		
W		<u> </u>		
H1		I-		
D		I-		
Mass		_		
Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm)				
Drawing		<u>-</u>		
W		<u> </u>		
H2		I		
D		<u> </u>		
Mass		_		

(1) At 25° C ambient temperature and load power factor of 0.8, using new, fully charged batteries.

(3) Dimensions do not include protruding objects like screws.

(2) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.





Output outlet shape

NEMA 5-15R

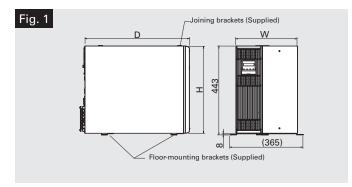


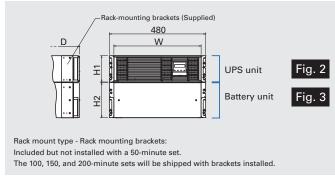


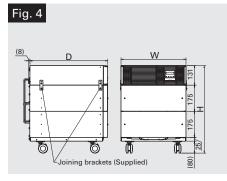
Dimensions

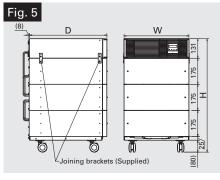
Output capacity 3 kVA Terminal block type						
Free-standing type Order no.		S-A11KL302B0100TST00	S-A11KL302B0150TST00	S-A11KL302B0200TST00		
(A set of a UPS unit and battery units)	S-A11KL302B0050TST00 ⁽¹⁾					
Rack mount type Order no.		S-A11KL302B0100TST00RM	S-A11KL302B0150TST00RM	S-A11KL302B0200TST00RM		
(A set of a UPS unit and battery units)						
Rated output capacity	3 kVA / 2.4 kW					
(apparent power / active power)	50 min	100 min	150 min	200 min		
Battery backup time ⁽²⁾	1104		3312	4416		
Battery capacity [Ah-cell]		2208				
Battery power consumption [Wh]		2484 4968 7452 9936				
Input terminal	M5 terminal	•				
Output terminal and receptacle	M5 terminal and NEMA 5-15R × 2 (15	A each)				
Acoustic noise During normal operation	46 dB or less					
During battery operation or at a temperature above 40°C	55 dB or less					
Heat dissipation (At rated operation, after battery charging completed)						
Input leakage current						
Operating environment	Ambient temperature: -20 to +55°C, ^[3] humidity: 10 to 90% RH (non-condensing)					
Free-standing type - Dimensions ⁽⁴⁾ (Unit: mm)						
Drawing	Fig. 1	Fig. 4	Fig. 5	Fig. 6		
W	131+175	435	435	435		
Н	435	586	761	936		
D	520	520	520	520		
Mass	74 kg	132 kg	184 kg	236 kg		
Rack mount type - UPS unit dimensions ⁽⁴⁾ (Unit: mm)						
Drawing						
W	435					
H1	131 (3U)					
D	520					
Mass	22 kg					
Rack mount type - Battery unit dimensions ⁽⁴⁾ (Unit: mm)						
Danie a	Fig. 3 × 1	Fig. 3 × 2	Fig. 3 × 3	Fig. 3 × 4		
Drawing				I		
W	435	435	435	435		
-	435 175 (4U)	435 175 × 2 (8U)	435 175 × 3 (12U)	435 175 × 4 (16U)		
W						

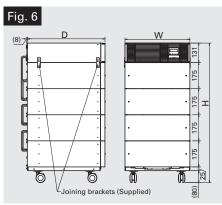
- (1) Vertical/rack-mount convertible
- (2) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
- (3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.
- (4) Ignoring screw lengths and the like











Paint color: Black (Munsell N1.5)

Output outlet shape

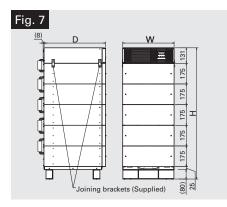


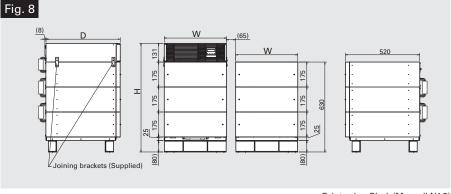
Output capacity 3 kVA Terminal block type

As set of a UPS unit and battery units S-ATIK.3028025015100 S		capacity 5 kVA	. 2.001. 17 PO		
As est of a UPS unit and battery units)			S-A11KL302B0250TST00	S-A11KL302B0300TST00	
Again prover			_	_	
Battery pase before the file of the file o			3 kVA / 2.4 kW		
Battery power consumption [Wh] 12420 14904 14	Battery back	kup time ⁽¹⁾	250 min	300 min	
Duty to utlet	Battery capacity [Ah-cell]		5520	6624	
Output outlet M5 terminal and NEMA 5-15R × 2 (15 A each) Acoustic longise Unring pattery operation of at lemperature above 40°C 46 dB or less Heat dissipation (At rated operation, after battery charging completed) 55 dB or less Input leakage current 3.5 mA or less Operating environment Ambient temperature: -20 to +55°C, ⁽²⁾ humidity: 10 to 90% RH (non-currents) Free-standing type - Dimensions ⁽⁵⁾ (Unit mm) Fig. 7 Fig. 8 W 435 435 + 435 (+ 65) H 1111 761 Do 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions ⁽⁶⁾ (Unit mm) — Drawing — — H1 — — H2 — — H3 — — H4 — — H5 — — H6 — — H7 — — H7 — — H7 — — H7	Battery pow	rer consumption [Wh]	12420	14904	
During normal operation During normal operation or at a temperature above 40°C Heat dissipation (At rated operation, after battery charging completed) Input leakage current 3.5 mA or less Operating environment Ambient temperature: -20 to +55°C, (21 humidity: 10 to 90% RH (non-condusing) Free-standing type - Dimensions (30 (Unit: mm)	Input plug		M5 terminal		
During battery operation or at a temperature above 40°C 254 W 255 C, (2) humidity: 10 to 90% RH (non-condensing) 255 C, (2) hu	Output outle	t	M5 terminal and NEMA 5-15R $ imes$ 2 (15 A each)		
temperature above 40°C Heat dissipation (Ar tated operation, after battery charging completed) Input leakage current 3.5 mA or less Operating environment Ambient temperature: -20 to +55°C, 20 humidity: 10 to 90% RH (non-condensing) Free-standing type - Dimensions (Unit: mm)	Acoustic	During normal operation	46 dB or less		
after battery charging completed) Input leakage current 3.5 mA or less Operating environment Abient temperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-contents) input lemperature: -20 to 90% RH (non-contents) in			55 dB or less		
Operating environment Ambient temperature: -20 to +55°C, ¹² humidity: 10 to 90% RH (non-condensing) Free-standing type - Dimensions (3) (Unit: mm) Fig. 7 Fig. 8 W 435 435 + 435 (+ 65) H 1111 761 D 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions (3) (Unit: mm) — W — H1 — D — Mass — H1 — D — Mass — Back mount type - Battery unit dimensions (3) (Unit: mm) — Drawing — W — Mass — Back mount type - Battery unit dimensions (3) (Unit: mm) — Drawing — W — H2 — D — H2 — D — H2 — H2 — H3			254 W		
Free-standing type - Dimensions ⁽³⁾ (Unit: mm) Drawing Fig. 7 Fig. 8 W 435 435 + 435 (+ 65) H 1111 761 D 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions ⁽³⁾ (Unit: mm) — W — H1 — D — Mass — Back mount type - Battery unit dimensions ⁽³⁾ (Unit: mm) — Drawing — W — W — W — W — H2 — D —	Input leakag	je current	3.5 mA or less		
Drawing Fig. 7 Fig. 8 W 435 435 + 435 (+ 65) H 1111 761 D 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions ⁽³⁾ (Unit mm) — W — H1 — D — Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (Unit mm) — Drawing — W — H2 — D — H2 — D —	Operating er	nvironment	Ambient temperature: -20 to +55°C, ⁽²⁾ humidity: 10 to 90% RH (non-condensing)		
W 435 435 + 435 (+ 65) H 1111 761 D 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions(3) (Unit: TW) TW W H1 D Mass Rack mount type - Battery unit dimensions(3) (Unit: mm) Training Drawing W H2 D	Free-standing	ng type - Dimensions ⁽³⁾ (Unit: mm)			
H 1111 761 D 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions(3) (Unit **) ***********************************	Drawing		Fig. 7	Fig. 8	
D 520 520 Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions(3) (Unit **) Umaying — W — H1 — D — Mass — Rack mount type - Battery unit dimensions(3) (Unit ** mm) — Drawing — W — H2 — D —	W		435	435 + 435 (+ 65)	
Mass 294 kg 192 + 170 kg Rack mount type - UPS unit dimensions ⁽³⁾ (Unit mount with provided in the provided in	Н		1111	761	
Rack mount type - UPS unit dimensions ⁽³⁾ (Unit m) Drawing — W — H1 — D — Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm) — Drawing — W — H2 — D —	D		520	520	
Drawing — W — H1 — D — Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (Unit : mm) — Drawing — W — H2 — D —	Mass		294 kg	192 + 170 kg	
W — H1 — D — Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm) Drawing — W — H2 — D — D —	Rack mount	type - UPS unit dimensions(3) (Unit:	mm)		
H1 — D — Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (UT: mm) Drawing — W — H2 — D — D —	Drawing		_		
D — Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm) Drawing — W — H2 — D —	W				
Mass — Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm) — Drawing — W — H2 — D —	H1		_		
Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm) Drawing — W — H2 — D —	D		I-		
Drawing — W — H2 — D —	Mass		_		
W – H2 n – D – H2 n – H	Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm)				
H2 — D — —	Drawing		-		
D —	W		_		
	H2		I-		
Mass —	D		I-		
	Mass				

(3) Dimensions do not include protruding objects like screws.

(1) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
(2) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.





Paint color: Black (Munsell N1.5)





Dimensions

Output ca	pacity 5 kVA					
Free-standing ty			S-A11KL502B0060TST00	S-A11KL502B0090TST00		
	unit and battery units)	S-A11KL502B0030TST00 ⁽¹⁾	- ATTREOUED GOOD TO TOO	O ATTREBUEBOSOTOTOS		
Rack mount typ			S-A11KL502B0060TST00RM	S-A11KL502B0090TST00RM		
	unit and battery units)					
Rated output ca		5 kVA / 4 kW				
Battery backup	r / active power)	30 min 60 min 90 min				
Battery capacit		1104	2208	3312		
	<u>'</u>	11.11	11			
, ,	consumption [Wh]	2484	4968	7452		
Input terminal		M5 terminal				
Output terminal		M5 terminal and NEMA 5-15R × 2 (15 A each)				
Acoustic noise	During normal operation	45 dB or less				
	During battery operation or at a temperature above 40°C	56 dB or less				
	When battery voltage is low	60 dB or less				
Heat dissipation (At rated operation, after battery charging completed)		430 W				
Input leakage current		3.5 mA or less				
Operating environment		Ambient temperature: -20 to +55°C,(3) humidity: 10 to 90% RH (non-condensing)				
	/pe - Dimensions ⁽⁴⁾ (Unit: mm)		3,			
Drawing		Fig. 1	Fig. 4	Fig. 5		
W		175+175	435	435		
Н		435	630	805		
D		520	520	520		
Mass		82 kg	140 kg	192 kg		
	e - UPS unit dimensions ⁽⁴⁾ (Unit: m		1.0 %	1.02 mg		
Drawing		Fig. 2				
W		435				
H1		175 (4U)				
D		520				
Mass		30 kg				
	e - Battery unit dimensions(4) (Unit					
Drawing	o Buttory unit uniteriorons (Office	Fig. 3 × 1	Fig. 3 × 2	Fig. 3 × 3		
W		435	435	435		
VV		433	400	400		

175 × 2 (8U)

52 kg × 2

520

H2

Mass

D

(2) At 25° C ambient temperature and load power factor of 0.8, using new, fully charged batteries.

175 (4U)

520

52 kg

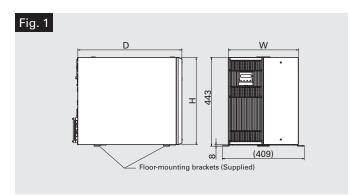
(3) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.

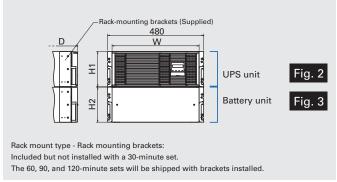
520

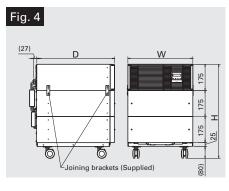
52 kg × 3

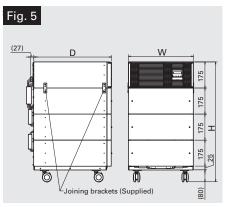
175 × 3 (12U)

(4) Dimensions do not include protruding objects like screws.

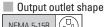








Paint color: Black (Munsell N1.5)

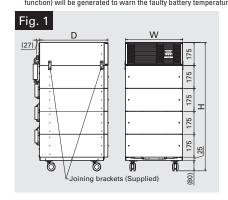


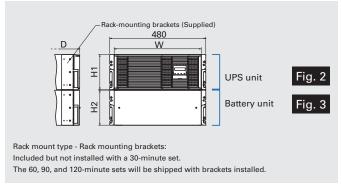
Output capacity **5** kVA

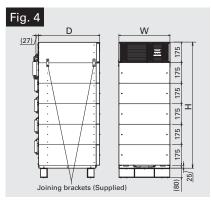
	J. RVA					
Free-standing ty	•	S-A11KL502B0120TST00	S-A11KL502B0150TST00	S-A11KL502B0180TST00		
	unit and battery units)					
Rack mount type Order no. (A set of a UPS unit and battery units)		S-A11KL502B0120TST00RM	_	_		
	, ,					
Rated output ca	r / active power)	5 kVA / 4 kW				
Battery backup		120 min	150 min	180 min		
, ,		4416	5520	6624		
Battery capacity [Ah-cell] Battery power consumption [Wh]		9936	12420	14904		
Input terminal	ionoumption [vvn]	M5 terminal				
Output terminal	and recentacle	M5 terminal and NEMA 5-15R × 2 (15 A each)				
	During normal operation	45 dB or less 45 dB or less				
71000000 110100		56 dB or less	56 dB or less			
	temperature above 40°C	00 00 01 1000	00 00 1000			
	When battery voltage is low	60 dB or less	60 dB or less			
Heat dissipation	(At rated operation,	430 W				
after battery cha	arging completed)					
Input leakage current		3.5 mA or less				
Operating environment		Ambient temperature: -20 to +55°C, (2) humidity: 10 to 90% RH (non-condensing)				
Free-standing ty	/pe - Dimensions ⁽³⁾ (Unit: mm)					
Drawing		Fig. 1	Fig. 4	Fig. 5		
W		435	435	435 + 435 (+ 65)		
Н		980	1155	805		
D		520	520	520		
Mass		244 kg	302 kg	200 + 170 kg		
Rack mount type - UPS unit dimensions ⁽³⁾ (Unit: mm)						
Drawing		Fig. 2	_	<u> </u>		
W		435		<u> </u>		
H1		175 (4U)	_	_		
D		520	_	_		
Mass		30 kg	_	_		
Rack mount type - Battery unit dimensions ⁽³⁾ (Unit: mm)						
Drawing		Fig. 3 × 4	_	_		
W		435	_			
H2		175 × 4 (16U)	_	_		
D		520	_	_		
Mass		52 kg × 4	_	_		

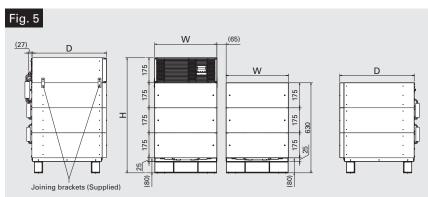
- (1) At 25°C ambient temperature and load power factor of 0.8, using new, fully charged batteries.
- (2) When the battery temperature exceeds 55°C, battery charging will stop and a Device Error (minor malfunction) will be generated to warn the faulty battery temperature.

(3) Dimensions do not include protruding objects like screws.







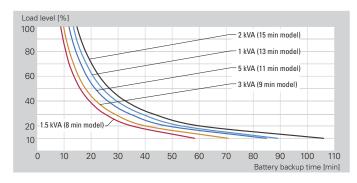


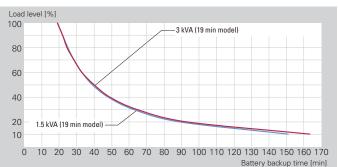
Paint color: Black (Munsell N1.5)

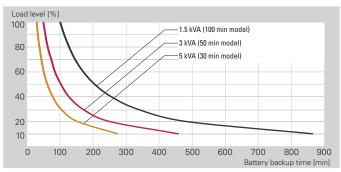
Output outlet shape

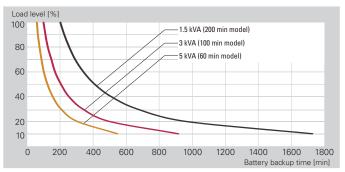


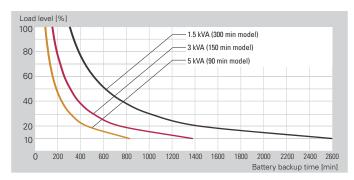
Load Level vs Backup Time

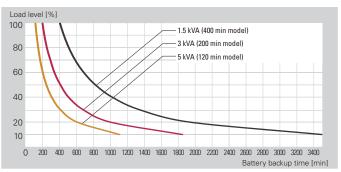


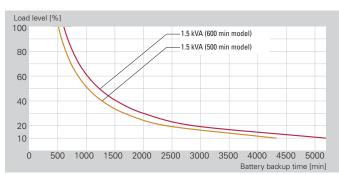


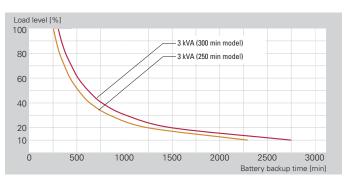


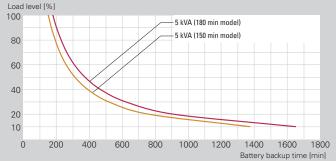












 $Note: Reference\ value\ at\ 25^\circ C\ ambient\ temperature\ and\ load\ power\ factor\ of\ 0.8,\ using\ new,\ fully\ charged\ batteries.$

Network Options

Item		Model no.	Remarks		
LAN Interface Card		PRLANIF031	When installed in the optional card slot, this card enables 24/7 monitoring of UPS operations and status, and sends email notifications to system administrators for quick actions via network in the event of a power failure. Combined with a temperature and humidity sensor (Model no.: 9CT1-T, extension cable: CARD-CBL007), this card can also monitor the ambient temperature and humidity. Multiple servers (up to 50) can be shut down through communication protocols such as SSH, Telnet, and REST API.		
Dry Contact Interface Card	Terminal block output	PRCONIF005-US	This card outputs no-voltage contact signals to notify UPS status.		
	D-sub output connector	PRCONIF006-US	A and B contacts can be selected for each signal.		
SANUPS SOFTWARE Download version	for Windows	PMS52_00DL(2)	SANUPS SOFTWARE is used to shut down multiple servers (up to 50 servers including USB-connected servers) over a network from a single UPS-connected server with a USB cable. The software is not secessary when using the LAN interface card PRLANIF031. For the latest OS support information, refer		
	for Multi-0S ⁽¹⁾	PMS53_00DL(2) our website. For bulk purchase of software licenses, append appropriate -suffix to the model number as on the right.		-10 (10 licenses)	
			-suffix to the model number as on the right.	-100 (100 licenses)	
Remote switch	Cable length: 10 m	RSW015	This switch remotely turns on/off the UPS outlets via wired connection. It can control up to 5 UPS units in Linked Operation. (requires optional Linked Operation cable)		
	Cable length: 2 m	RSW016			
Linked Operation cable	For branching, terminal connection; between relay connector and lead wire	P10911	A unit-to-unit cable for performing on/off switching of multiple UPS units.		
	Cable length 1 m, between relay connector and lead wire	P10912			
	Cable length 3 m, between relay connector and lead wire	P10913			

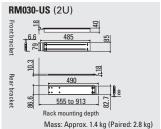
⁽¹⁾ Supports Windows, Unix, and Linux.

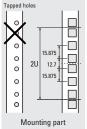
Note: Optional products have different operating temperature ranges from the UPS.

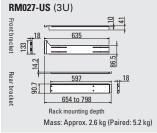
Dimensions of Options (Unit: mm)

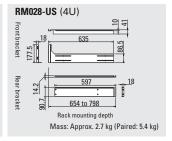
Rack support rails

Used for mounting the UPS on a standard 19-inch rack. A pair of left and right rails. Shown is the left rail. They are not compatible with racks with tapped holes.





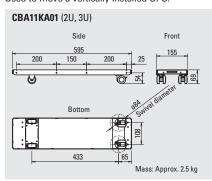


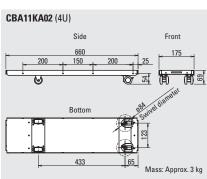


Rack mounting brackets for securing a UPS in a rack come included or installed.

Caster base

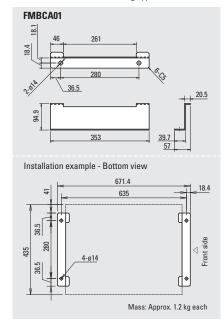
Used to move a vertically installed UPS.





Floor mounting brackets

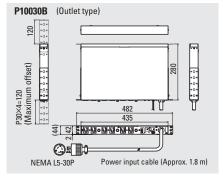
Used to secure a free-standing type to the floor.

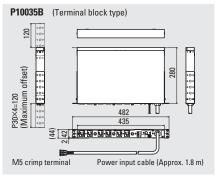


Outlet box

Enables Output Line Control, the coordinated on/off management of UPS outlets when needed.

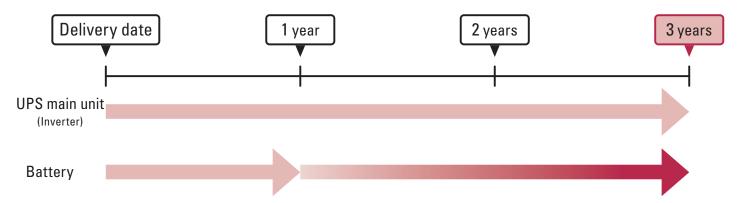
Rated output: 2 to 3 kVA





⁽²⁾ The \square 's denote revision characters.

UPS warranty period For warranty details, see the Warranty Card included with your UPS.



Battery warranty period is one year. It can be extended to three years by registering the UPS.



Note: This benefit is limited to users in Japan.

Complete registration on our website:

https://www.sanyodenki.com/



■ ECO PRODUCTS

SANYO DENKI'S ECO PRODUCTS are designed with the concept of lessening impact on the environment in the process from product development to waste. The product units and packaging materials are designed for reduced environmental impact. We have established our own assessment criteria on the environmental impacts applicable to all processes, ranging from design to manufacture. Those products that satisfy the criteria are accredited as ECO PRODUCTS.

- Fire Service Law and Fire Prevention Ordinance in Japan
- The Fire Prevention Ordinance regulates the total battery capacity of storage batteries, including lithium-ion batteries, that can be installed indoors. When installing UPSs indoors, confirm that the total battery capacity in one location does not exceed 20 kWh (4,800 Ah-cell). In other cases, consult with your local fire department for approval.

 Note that the UPSs cannot be used as an emergency power supply for firefighting equipment.
- Building Standard Law in Japan

The UPSs cannot be used as backup power for building facilities conforming to the disaster management requirements defined in the Building Standard Law.

Notes before Purchase

- Before installing, assembling, and using the products, please read Instruction Manual carefully and use them properly.
- When using the products in the following applications, consult with us in advance because special considerations are required for operation, maintenance, and manage
 - (a) Medical equipment that may have direct effects on human life or human body. (b) Trains, elevators, and other machinery that can cause injury.
 - (c) Socially and publicly important computer systems.
 - (d) Other equipment that is related to safety of human life and that can have major impact on maintenance of public functions.
- For use in an environment where vibration is present, such as in a car or a ship, please consult with us in advance.
- Never attempt to disassemble or alter the products in any way.
- For installation and maintenance work of the products, please consult with us or properly licensed personnel.
- Please contact us concerning the disposal of used storage batteries supplied by SANYO DENKI.
- The products listed in this catalog fall into the category 16 of Appended Table 1 of the Export Trade Control Order. To export the products as an individual part or to export a device into which the products are assembled, the "Inform Requirements" and "Objective Requirements" that the Ministry of Economy, Trade and Industry of Japan established based on the "Catch-all Controls" must be studied for applicability. Accordingly, appropriate export formalities must be performed.
- SANYO DENKI will not be liable for any direct or indirect damages or loss, including but not limited to equipment downtime, missed power sales revenue, business interruptions, increased power purchases, resulting from the use of or inability to use our products or services.
- The products listed in this catalog are equipped with lithium-ion batteries. When transporting the products, do not transport by air. When transporting by sea, transport must be carried out according to the International Maritime Dangerous Goods (IMDG) Code. Also, depending on the country and region, there are cases where regulations are established independently, so please consult with the shipping company in advance.

For any inquiry or consultation, please contact a SANYO DENKI sales representative.

SANYO DENKI CO., LTD. 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo 170-8451, Japan TEL: +81 3 5927 1020

https://www.sanyodenki.com/

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