



30W Interchangeable Wall Plug Adapter Series



Features

- Class II Double Insulated
- Field Changeable AC Plugs – Sold Separately
- Limited Power Source
- US DoE Level VI Efficiency Compliance
- Ecodesign/ErP Lot 7 (EU) 2019/1782 Compliance
- AS/NZS 4665.1-2005+A1:2009, AS/NZS 4665.2-2005+A1:2009 Compliance
- Class B EMI

Applications

- Peripherals
- Gaming Machines
- Point of Sales Equipment
- Network Equipment

*NRCan approval for PSAA30R-120-R model only

Phihong Taiwan - No.568, Fuxing 3rd Rd., Guishan Dist., Taoyuan City (33383), Taiwan, ROC

Phihong USA - 47800 Fremont Blvd. Fremont, CA 94538, USA

Phihong Europe - Wattstraat 50, 2171 TR Sassenheim, The Netherlands



PSAA30R Specifications¹

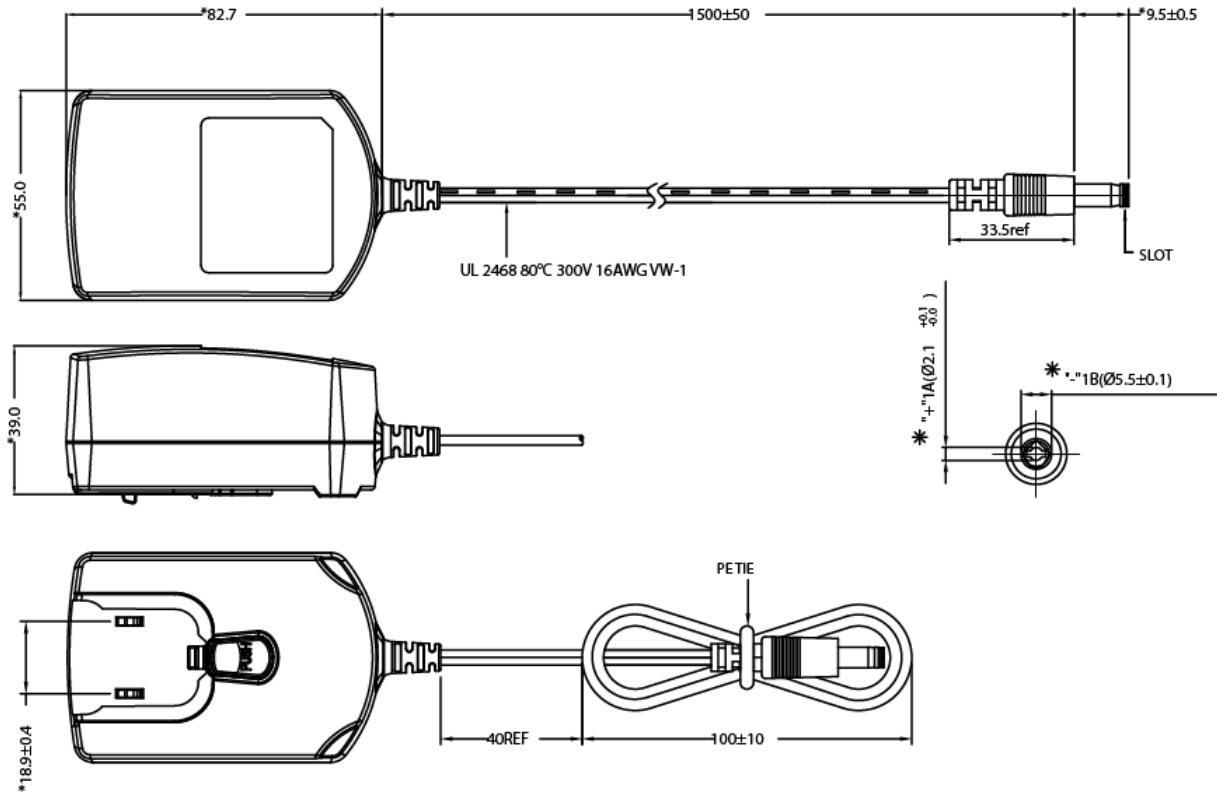
Model		PSAA30R-120-R [*]	PSAA30R-150-R	PSAA30R-240-R
Output	DC Output Voltage	12.0V	15.0V	24.0V
	Max Current	2.5A	2.0A	1.25A
	Output Power	30.0W	30.0W	30.0W
	Regulation	± 5%	± 5%	± 5%
	Ripple & Noise P-P(max) ²	120mV	200mV	240mV
Input	AC Input Voltage Range	90 to 264VAC		
	AC Input Frequency	47 to 63Hz		
	Input Current	0.8A (RMS) max for 120Vac/max load 0.5A (RMS) max for 240Vac/max load		
	Inrush Current	<60A max for 100VAC, <100A max for 240VAC (Cold start at ambient 25°C, full load)		
	No Load Power Consumption at 115VAC Input	0.046W	0.056W	0.050W
	No Load Power Consumption at 230VAC Input	0.080W	0.092W	0.090W
	115VAC Average Efficiency ³	87.77%	87.13%	88.10%
	230VAC Average Efficiency ³	88.35%	87.76%	88.22%
	230VAC 10% Load Efficiency ³	84.96%	82.55%	82.51%
	Leakage Current	0.25mA max		
Protection	Over-Voltage	20V max., Auto restart	21V max., Auto restart	35V max., Auto restart
	Short Circuit	The output can be shorted without damage		
	Over-Current	Auto-restart		
Environmental	Operating Temperature	0°C to +40°C		
	Non-Operating Temperature	-25° to +75°C		
	Operating Humidity	20% to 90%		
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA		
	Insulation Resistance	Primary to Secondary: >7M ohm for 500VDC		
	Standards	cULus 60950-1, cULus 62368-1 (except 56V model), IEC60950-1, IEC 62368-1 (except 56V model), AS/NZS 60950-1		
	EMI Emissions	FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated, AS/NZS 3548		
	Harmonic Current Emissions	IEC 61000-3-2		
	Voltage Fluctuations & Flicker	IEC 61000-3-3		
	Immunity	EN 55024/CISPR 24: IEC 61000-4-2 (+/- 8kV air, +/- 4kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 1kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11		
Mechanical	Dimensions (L x W x H)	82.7mm (3.26in) x 55mm (2.17in) x 39.1mm (1.54in)		
	Weight	180g		
	DC Cord Length	1500mm		
	DC Output Connector	5.5mm x 2.1mm x 9.5mm		

Model		PSAA30R-560-R
Output	DC Output Voltage	56.0V
	Max Current	0.536A
	Output Power	30.016W
	Regulation	± 5%
	Ripple & Noise P-P(max) ²	560mV
Input	AC Input Voltage Range	90 to 264VAC
	AC Input Frequency	47 to 63Hz
	Input Current	0.8A (RMS) max for 120Vac/max load 0.5A (RMS) max for 240Vac/max load
	Inrush Current	<60A max for 100VAC, <100A max for 240VAC (Cold start at ambient 25°C, full load)
	No Load Power Consumption at 115VAC Input	0.058W
	No Load Power Consumption at 230VAC Input	0.085W
	115VAC Average Efficiency ³	90.30%
	230VAC Average Efficiency ³	90.60%
	230VAC 10% Load Efficiency ³	84.93%
	Leakage Current	0.25mA max
Protection	Over-Voltage	66V max., Auto restart
	Short Circuit	The output can be shorted without damage
	Over-Current	Auto restart
Environmental	Operating Temperature	0°C to +40°C
	Non-Operating Temperature	-25° to +75°C
	Operating Humidity	20% to 90%
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA
	Insulation Resistance	Primary to Secondary: >7M ohm for 500VDC
	Standards	cULus 60950-1, cULus 62368-1 (except 56V model), IEC60950-1, IEC 62368-1 (except 56V model), AS/NZS 60950-1
	EMI Emissions	FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated, AS/NZS 3548
	Harmonic Current Emissions	IEC 61000-3-2
	Voltage Fluctuations & Flicker	IEC 61000-3-3
	Immunity	EN 55024/CISPR 24: IEC 61000-4-2 (+/- 8kV air, +/- 4kV contact), IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5 (+/- 1kV), IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
Mechanical	Dimensions (L x W x H)	82.7mm (3.26in) x 55mm (2.17in) x 39.0mm (1.54in)
	Weight	180g
	DC Cord Length	1500mm
	DC Output Connector	5.5mm x 2.1mm x 9.5mm
Notes	1. The specifications defined are at ambient temperature of 25°C, unless otherwise specified. 2. 20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load). 3. Efficiency is measured after 30 minutes burn-in.	

*NRCan approval for PSAA30R-120-R model only



PSAA30R Outline Drawing






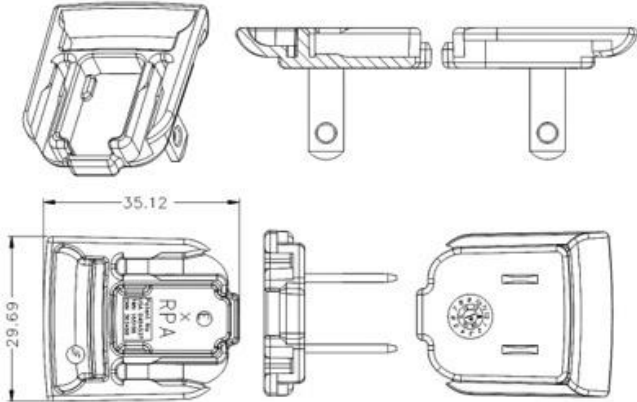

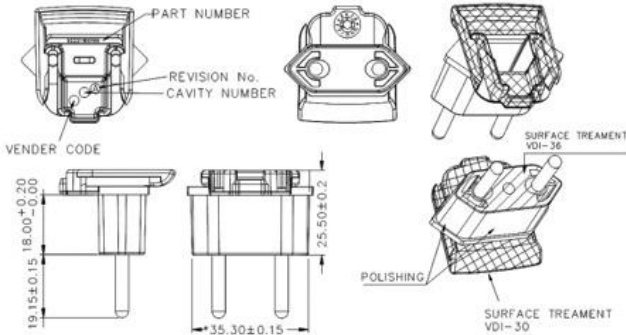

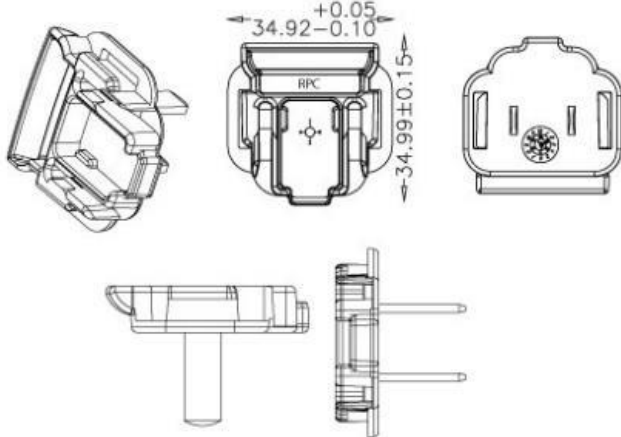
Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information


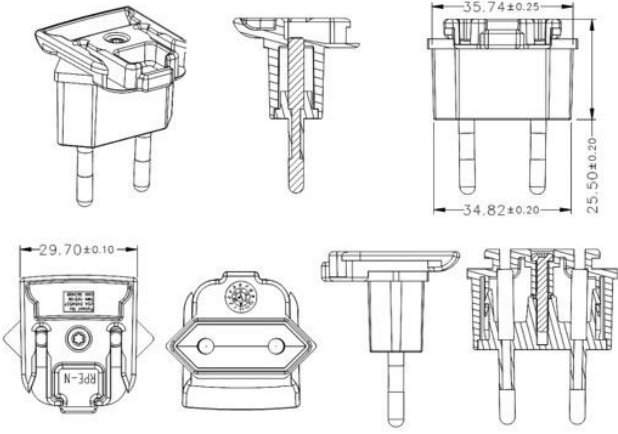

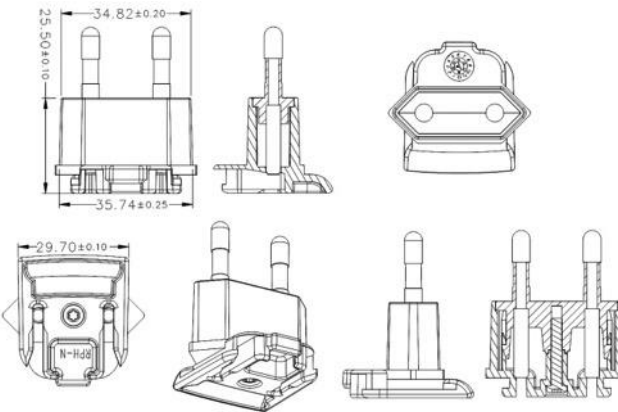

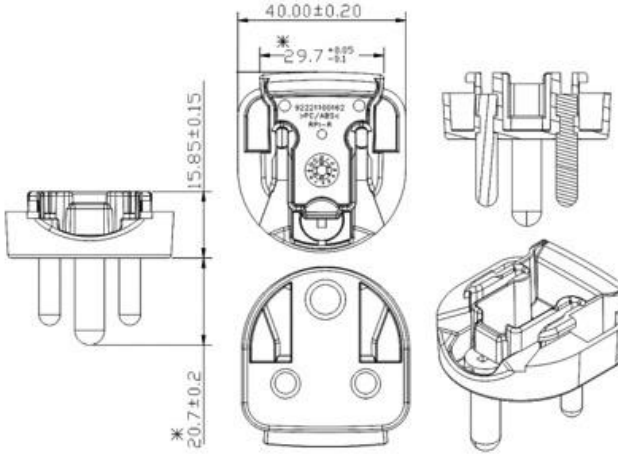
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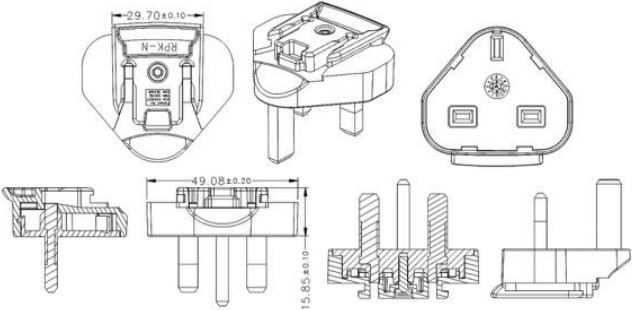

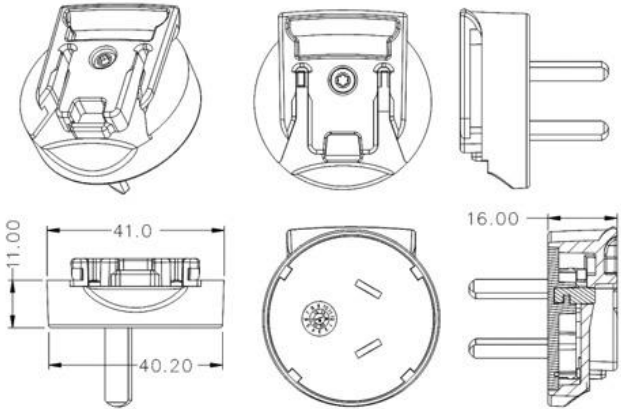

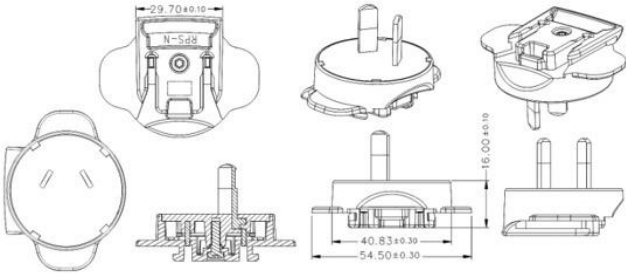

This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



AC Input Clips – Sold Separately

Model	Photo	Description	Outline Drawing - mm
RPA-AB01B-H		US Clip	
RPB-AB01B-H		Brazil Clip	
RPC-AB01B-H		China Clip	

Model	Photo	Description	Outline Drawing - mm
RPE-AB01B-H		Europe Clip	
RPH-AB01B-H		Korea Clip	
RPI-AB01B-H		India Clip	

Model	Photo	Description	Outline Drawing - mm
RPK-AB01B-H		UK Clip	
RPN-AB01B-H		Argentina Clip	
RPS-AB01B-H		Australia Clip	
RPBAG-AB01B-H	<p>RPA-AB01B-H, RPE-AB01B-H, RPK-AB01B-H and RPS-AB01B-H interchangeable clips in a plastic bag.</p> 		

Mouser Electronics

Authorized Distributor

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Phihong:

[PSAA30R-560-R](#) [PSAA30R-240-R](#) [PSAA30R-150-R](#) [PSAA30R-120-R](#)