

MODEL		PBA300F-3R3	PBA300F-5	PBA300F-7R5	PBA300F-12	PBA300F-15	PBA300F-24	PBA300F-36	PBA300F-48
MAX OUTPUT WATTAGE[W]		198	300	300	324	330	336	324	336
	ACIN 100V	3.3V 60A	5V 60A	7.5V 40A	12V 27A	15V 22A	24V 14A	36V 9A	48V 7A
DC OUTPUT	ACIN 200V *3	3.3V 60A	5V 60A	7.5V 40A	12V 27A	15V 22A	24V 14(16.5)A	36V 9A	48V 7A

## **SPECIFICATIONS**

	MODEL		PBA300F-3R3		PBA300F-7R5			PBA300F-24	PBA300F-36	PBA300F-48			
	VOLTAGE[V]		AC85 - 264 1¢	or DC120 - 35	0 (AC50 or DC70	) Please refer to	the instruction r	nanual 7. option	*4)				
	CURRENT[A]	ACIN 100V	3typ	4.1typ									
	CURRENT[A]	ACIN 200V	1.6typ	2typ									
	FREQUENCY[Hz]		50/60 (47 - 63)										
		ACIN 100V	68typ	74typ	76typ	78typ	78typ	79typ	81typ	79typ			
IPUT	EFFICIENCY[%]	ACIN 200V	71typ	77typ	79typ	81typ	81typ	82typ	84typ	82typ			
		ACIN 100V	0.98typ (lo=100%)										
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)										
		ACIN 100V	20/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 3 sec. to re-start)										
	INRUSH CURRENT[A]		40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 3 sec. to re-start)										
	LEAKAGE CURRENT[mA]				/ 60Hz, lo=100%				,				
	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48			
		ACIN 100V	60	60	40	27	22	14	9	7			
	CURRENT[A]	ACIN 200V *3	60	60	40	27	22	14(16.5)	9	7			
	LINE REGULATION[m]	/1	20max	20max	36max	48max	60max	96max	144max	192max			
	LOAD REGULATION	-	40max	40max	60max	100max	120max	150max	150max	300max			
	•	0 to +50°C *1	80max	80max	120max	120max	120max	120max	150max	150max			
	RIPPLE[mVp-p]	-20 - 0°C *1	140max	140max	160max	160max	160max	160max	160max	400max			
-		0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max			
	RIPPLE NOISE[mVp-p]	-20 - 0°C *1	160max	160max	180max	180max	180max	180max	240max	500max			
		0 to +50°C	40max	50max	75max	120max	150max	240max	360max	480max			
	TEMPERATURE REGULATION[mV]	-20 to +50°C	60max	75max	120max	180max	180max	290max	440max	600max			
	DRIFT[mV]	*2	12max	20max	30max	48max	60max	96max	144max	192max			
	START-UP TIME[ms]				*Start-up time is	· · · · ·							
	HOLD-UP TIME[ms]			0/200V, lo=100		71		117 5 1 5	<b>y</b>				
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.64 - 3.96	3.96 - 6.00	5.25 - 8.25	8.25 - 13.20	10.50 - 16.50	16.50 - 26.40	25.20 - 39.60	38.40 - 56.0			
	OUTPUT VOLTAGE SET		3.30 - 3.40	5.00 - 5.15	7.50 - 7.80	12.00 - 12.48	15.00 - 15.60	24.00 - 24.96	36.00 - 37.44	48.00 - 49.92			
	OVERCURRENT PROT				ent or 101% of p								
ROTECTION	OVERVOLTAGE PROTEC		4.3 - 6.3	6.5 - 8.0	9.0 - 11.6	14.4 - 18.6	18.0 - 23.3	28.8 - 37.2	43.2 - 54.0	57.6 - 80.0			
	OPERATING INDICATIO		LED (Green)										
THERS	REMOTE SENSING	-	Provided										
	REMOTE ON/OFF		Provided										
	INPUT-OUTPUT · RC		AC3,000V 1mir	nute, Cutoff curre	ent = 10mA, DC	500V 50MΩmin	(At Room Temp	erature)					
	INPUT-FG				ent = 10mA, DC		· ·						
SOLATION	OUTPUT · RC · AUX-F	G			t = 100mA, DC5								
	OUTPUT-RC · AUX	-			t = 100mA, DC5								
	OPERATING TEMP., HUMID.AND	ALTITUDE	-20 to +71℃ (F	Required Deratin	g), 20 - 90%RH	(Non condensing	a) 3,000m (10,00	0feet) max					
	STORAGE TEMP.,HUMID.AND				n condensing) 9,								
NVIRONMENT	VIBRATION	-						axis					
	IMPACT		10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axis 196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis										
AFETY AND	AGENCY APPROVALS (At only	AC input)											
OISE	CONDUCTED NOISE				sB, VCCI-B, CIS			В					
EGULATIONS	HARMONIC ATTENUAT	OR		IEC61000-3-2 *		,	,						
	CASE SIZE/WEIGHT				×6.69 inches] (w	ithout terminal b	ock and screw)	(WXHXD) /1.0	(q max				
THERS	COOLING METHOD		Forced cooling						<b>v</b>				
	-			. /									

\*6 Please contact us about class C.

A sound may occur from power supply at pulse loading.

\*

\*1 Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN :RM101).

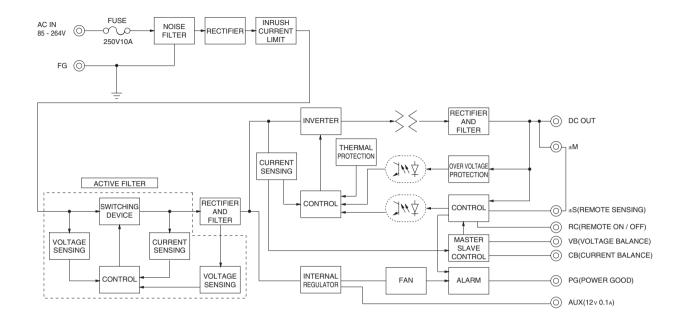
\*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
 \*3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual

in detail.

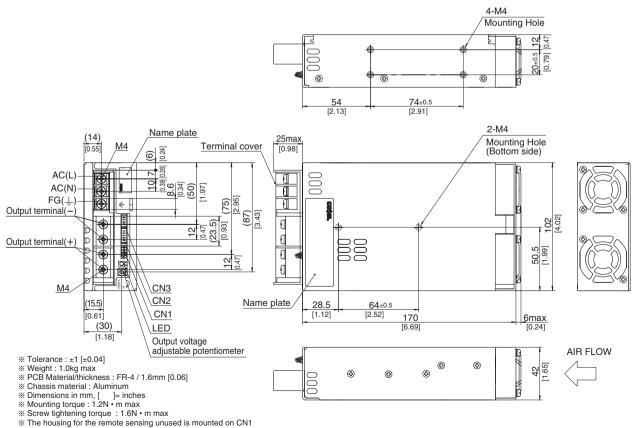
\*4 Derating is required.Consult us for details.

#### PBA/PBW-16

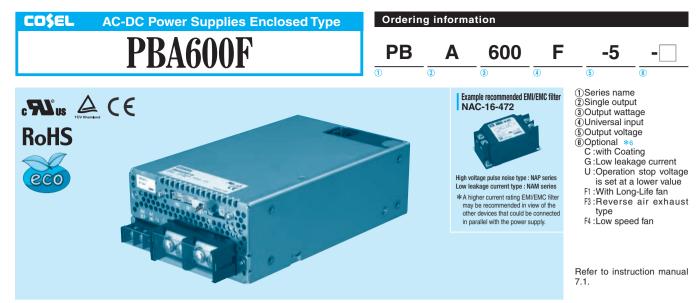
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**External view** 



※ Please connect safety ground to FG terminal on the unit.



MODEL		PBA600F-3R3	PBA600F-5	PBA600F-7R5	PBA600F-12	PBA600F-15	PBA600F-24	PBA600F-36	PBA600F-48
MAX OUTPUT WATTAGE[W]		396	600	600	636	645	648	648	624
DC OUTPUT	ACIN 100V	3.3V 120A	5V 120A	7.5V 80A	12V 53A	15V 43A	24V 27A	36V 18A	48V 13A
DC COTPOT	ACIN 200V *3	3.3V 120A	5V 120A	7.5V 80A	12V 53A	15V 43A	24V 27(31)A	36V 18A	48V 13A

## **SPECIFICATIONS**

	MODEL		PBA600F-3R3	PBA600F-5	PBA600F-7R5	PBA600F-12	PBA600F-15	PBA600F-24	PBA600F-36	PBA600F-48			
	VOLTAGE[V]		AC85 - 264 1 ¢	or DC120 - 35	0 (AC50 or DC70	Please refer to	the instruction r	nanual 7. option	*5)				
		ACIN 100V	5.8typ	8.2typ									
	CURRENT[A]	ACIN 200V	3typ	4.1typ									
	FREQUENCY[Hz]		50/60 (47 - 63)										
		ACIN 100V	70typ	75typ	76typ	79typ	79typ	81typ	82typ	81typ			
IPUT	EFFICIENCY[%]	ACIN 200V	72typ	77typ	79typ	82typ	82typ	84typ	84typ	83typ			
		ACIN 100V	0.98typ (lo=100%)										
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)										
		ACIN 100V	20/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)										
	INRUSH CURRENT[A]	ACIN 200V	40/40typ (lo=10	0%) (Primary ir	nrush current /Se	condary inrush o	current) (More th	an 3 sec. to re-s	tart)				
	LEAKAGE CURRENT[I	mA]	0.45/0.75max (										
	VOLTAGE[V]	-	3.3	5	7.5	12	15	24	36	48			
		ACIN 100V	120	120	80	53	43	27	18	13			
	CURRENT[A]	ACIN 200V *3	120	120	80	53	43	27(31)	18	13			
	LINE REGULATION[m]	v]	20max	20max	36max	48max	60max	96max	144max	192max			
	LOAD REGULATION[m	nV]	40max	40max	60max	100max	120max	150max	150max	300max			
		0 to +50℃ *1	80max	80max	120max	120max	120max	120max	150max	150max			
	RIPPLE[mVp-p]	-20 - 0°C *1	140max	140max	160max	160max	160max	160max	160max	400max			
_	RIPPLE NOISE[mVp-p]	0 to +50℃ *1	120max	120max	150max	150max	150max	150max	200max	200max			
	RIPPLE NOISE[IIIVP-P]	-20 - 0°C *1	160max	160max	180max	180max	180max	180max	240max	500max			
	TEMPERATURE REGULATION[mV]	0 to +50℃	40max	50max	75max	120max	150max	240max	360max	480max			
		-20 to +50°C	60max	75max	120max	180max	180max	290max	440max	600max			
	DRIFT[mV]	*2	12max	20max	30max	48max	60max	96max	144max	192max			
	START-UP TIME[ms]		400typ(ACIN 100	/200V, lo=100%)	*Start-up time is	500ms typ for less	s than 1minute of	applying input aga	in from turning off	the input voltag			
	HOLD-UP TIME[ms]		71	0/200V, lo=100									
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.64 - 3.96	3.96 - 6.00	5.25 - 8.25	8.25 - 13.20	10.50 - 16.50	16.50 - 26.40	25.20 - 39.60	38.40 - 56.0			
	OUTPUT VOLTAGE SET		3.30 - 3.40	5.00 - 5.15	7.50 - 7.80	12.00 - 12.48	15.00 - 15.60	24.00 - 24.96	36.00 - 37.44	48.00 - 49.92			
	OVERCURRENT PROT				ent or 101% of p		1						
ROTECTION	OVERVOLTAGE PROTECT		Vo+0.66 - 1.32	Vo+1.0 - 2.0	Vo+1.5 - 3.0	Vo+2.4 - 4.8	Vo+3.0 - 6.0	Vo+4.8 - 9.6	Vo+7.2 - 14.4	Vo+4.8 - 12.			
IRCUIT AND		ON	LED (Green)										
THERS	REMOTE SENSING		Provided										
	REMOTE ON/OFF		Provided										
	INPUT-OUTPUT · RC				ent = 10mA, DC5		· ·						
SOLATION	INPUT-FG				ent = 10mA, DC5								
	OUTPUT · RC · AUX-F	G	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)										
	OUTPUT-RC · AUX				nt = 100mA, DC5								
	OPERATING TEMP.,HUMID.AND				g), 20 - 90%RH			0feet) max					
NVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE	-		n condensing) 9,								
	VIBRATION				inutes period, 60		ong X, Y and Z a	axis					
	IMPACT		196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN										
		y AC input)						_					
			Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B										
OISE	CONDUCTED NOISE		Complies with IEC61000-3-2 *7 120×61×190mm [4.72×2.4×7.48 inches] (without terminal block and screw) (W×H×D) /1.6kg max										
OISE	HARMONIC ATTENUAT	TOR						M					
AFETY AND NOISE REGULATIONS		TOR		nm [4.72×2.4×		nout terminal blo	ock and screw) (	N×H×D) /1.6kợ	j max				

\*7 Please contact us about class C.

A sound may occur from power supply at pulse loading.

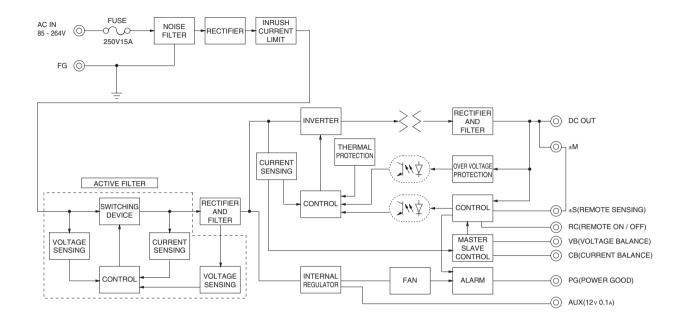
\*

\*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
 \*3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual

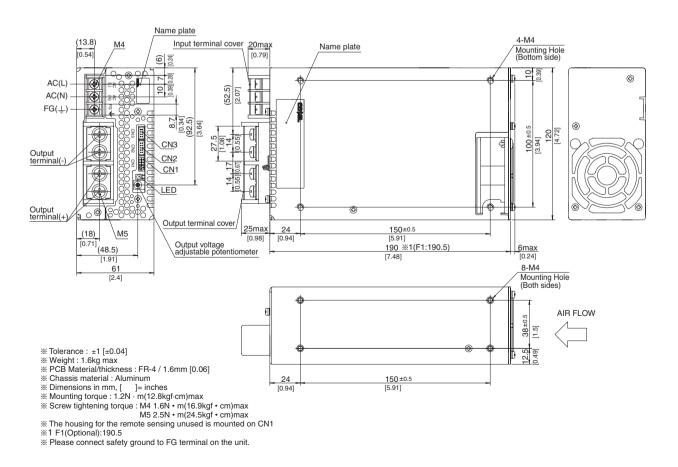
in detail. \*4 Overvoltage protection circuit to follow to output voltage setting. Standard overvoltage

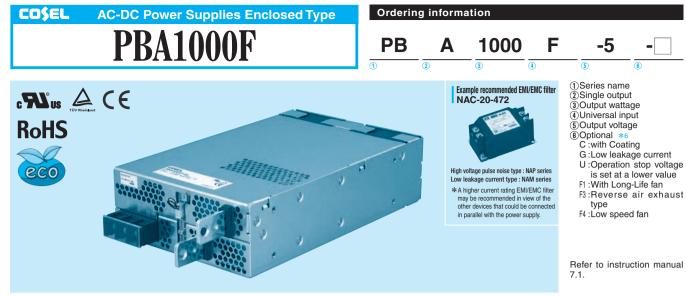
protection circuit is please contact us for details.

PBA600F | CO\$EL



#### **External view**





MODEL		PBA1000F-3R3	PBA1000F-5	PBA1000F-7R5	PBA1000F-12	PBA1000F-15	PBA1000F-24	PBA1000F-36	PBA1000F-48
MAX OUTPUT WATTAGE[W]		660	1000	1005	1056	1050	1056	1044	1056
DC OUTPUT	ACIN 100V	3.3V 200A	5V 200A	7.5V 134A	12V 88A	15V 70A	24V 44A	36V 29A	48V 22A
ACIN 200V *3		3.3V 200A	5V 200A	7.5V 134A	12V 88A	15V 70A	24V 44(51)A	36V 29A	48V 22A

## **SPECIFICATIONS**

	MODEL		PBA1000F-3R3	PBA1000F-5	PBA1000F-7R5	PBA1000F-12	PBA1000F-15	PBA1000F-24	PBA1000F-36	PBA1000F-4			
	VOLTAGE[V]		AC85 - 264 1 ¢	or DC120 - 35	0 (AC50 or DC70	) Please refer to	the instruction n	nanual 7. option	*5)				
		ACIN 100V	9typ	13typ									
	CURRENT[A]	ACIN 200V	5typ	7typ									
	FREQUENCY[Hz]		50/60 (47 - 63)										
		ACIN 100V	74typ	79typ	80typ	82typ	82typ	84typ	84typ	84typ			
IPUT	EFFICIENCY[%]	ACIN 200V	76typ	81typ	83typ	84typ	84typ	86typ	86typ	86typ			
		ACIN 100V	0.98typ (lo=100%)										
	POWER FACTOR		0.95typ (lo=100%)										
		ACIN 100V	20/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)										
	INRUSH CURRENT[A]	ACIN 200V	40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)										
	LEAKAGE CURRENT[mA]		0.5/1.0max (AC	0.5/1.0max (ACIN 100V/240V 60Hz, Io=100%, According to IEC60950-1, DENAN)									
	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48			
		ACIN 100V	200	200	134	88	70	44	29	22			
	CURRENT[A]	ACIN 200V *3	200	200	134	88	70	44(51)	29	22			
	LINE REGULATION[m]	/1	20max	20max	36max	48max	60max	96max	144max	192max			
	LOAD REGULATION	v]	40max	40max	60max	100max	120max	150max	150max	300max			
		0 to +50°C *1	80max	80max	120max	120max	120max	120max	150max	150max			
	RIPPLE[mVp-p]	-20 - 0℃ *1	140max	140max	160max	160max	160max	160max	160max	400max			
-		0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max			
	RIPPLE NOISE[mVp-p]	-20 - 0°C *1	160max	160max	180max	180max	180max	180max	240max	500max			
		0 to +50°C	40max	50max	75max	120max	150max	240max	360max	480max			
	TEMPERATURE REGULATION[mV]	-20 to +50°C	60max	75max	120max	180max	180max	290max	440max	600max			
	DRIFT[mV]	*2	12max	20max	30max	48max	60max	96max	144max	192max			
	START-UP TIME[ms]		400typ(ACIN 100	/200V, lo=100%)	*Start-up time is	500ms typ for less	than 1minute of a	applying input agai	n from turning off	the input voltage			
	HOLD-UP TIME[ms]		20typ (ACIN 10	0/200V, lo=100	%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.64 - 3.96	3.96 - 6.00	5.25 - 8.25	8.25 - 13.20	10.50 - 16.50	16.50 - 26.40	25.20 - 39.60	38.40 - 56.0			
	OUTPUT VOLTAGE SET	TING[V]	3.30 - 3.40	5.00 - 5.15	7.50 - 7.80	12.00 - 12.48	15.00 - 15.60	24.00 - 24.96	36.00 - 37.44	48.00 - 49.9			
	OVERCURRENT PROT	ECTION	Works over 10	5% of rated curre	ent or 101% of p	eak current and	recovers automa	tically					
ROTECTION	OVERVOLTAGE PROTECT	ION[V] *4	Vo+0.66 - 1.32	Vo+1.0 - 2.0	Vo+1.5 - 3.0	Vo+2.4 - 4.8	Vo+3.0 - 6.0	Vo+4.8 - 9.6	Vo+7.2 - 14.4	Vo+4.8 - 12.			
<b>IRCUIT AND</b>	OPERATING INDICATIO	ON	LED (Green)										
THERS	REMOTE SENSING		Provided										
	REMOTE ON/OFF		Provided										
	INPUT-OUTPUT · RC		AC3,000V 1mir	ute, Cutoff curre	ent = 25mA, DC5	500V 50MΩmin	(At Room Tempe	erature)					
OLATION	INPUT-FG				ent = 25mA, DC5								
DEATION	OUTPUT · RC · AUX-F	G	AC500V 1minu	te, Cutoff curren	t = 100mA, DC5	00V 50M $\Omega$ min (	At Room Tempe	rature)					
	OUTPUT-RC · AUX				t = 100mA, DC5								
	OPERATING TEMP., HUMID.AND	ALTITUDE	-20 to +71℃ (F	Required Deratin	g), 20 - 90%RH	(Non condensing	g) 3,000m (10,00	0feet) max					
VIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75°C, 2	0 - 90%RH (Noi	n condensing) 9,	000m (30,000fee	et) max						
	VIBRATION		10 - 55Hz, 19.6	6m/s² (2G), 3mi	nutes period, 60	minutes each ald	ong X, Y and Z a	xis					
	IMPACT		196.1m/s <sup>2</sup> (200	a), 11ms, once e	each X, Y and Z	axis							
AFETY AND	AGENCY APPROVALS (At only	AC input)			), EN60950-1, E								
OISE	CONDUCTED NOISE				sB, VCCI-B, CIS	PR22-B, EN550	11-B, EN55022-	В					
EGULATIONS	HARMONIC ATTENUAT	OR	Complies with	EC61000-3-2 *	:7								
THERS	CASE SIZE/WEIGHT		150×61×240r	nm [5.91 x 2.4 x	9.45 inches] (wit	nout terminal blo	ck and screw) (V	V × H × D) /2.2kg	max				
THENS	COOLING METHOD	_	Forced cooling	(internal fan)									

:RM101). Ripple and ripple noise is measured on measuring board with capacitor of 22  $\mu\,F$  within

150mm from the output terminal.

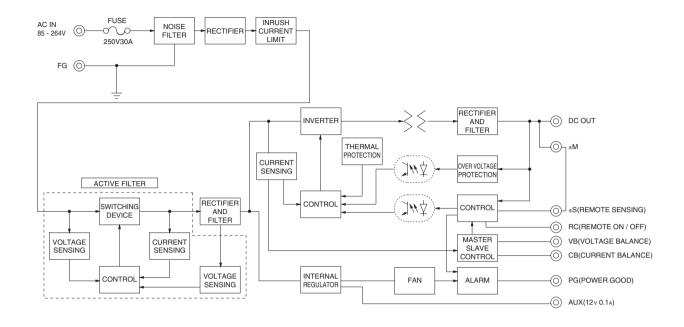
\*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C. \*3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual protection circuit is please contact us for details.

\*5 Derating is required.Consult us for details.
\*6 Please contact us about safety approvals for the model with option.

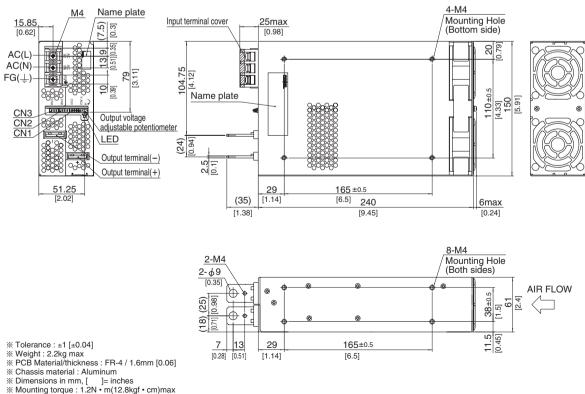
Please contact us about class C. \*7

\* A sound may occur from power supply at pulse loading.

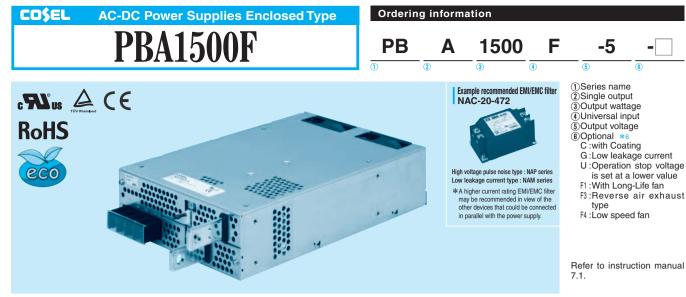
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#### **External view**



Screw tightening torque : 1.6N m(16.9kgf • cm)max
 The housing for the remote sensing unused is mounted on CN1
 Please connect safety ground to FG terminal on the unit.



MODEL		PBA1500F-3R3	PBA1500F-5	PBA1500F-7R5	PBA1500F-12	PBA1500F-15	PBA1500F-24	PBA1500F-36	PBA1500F-48
MAX OUTPUT WATTAGE[W]		990	1500	1500	1500	1500	1680	1692	1680
DC OUTPUT	ACIN 100V	3.3V 300A	5V 300A	7.5V 200A	12V 125A	15V 100A	24V 65A	36V 42A	48V 32A
DC 001P01	ACIN 200V *3	3.3V 300A	5V 300A	7.5V 200A	12V 125A	15V 100A	24V 70(105)A	36V 47(70)A	48V 35A

## **SPECIFICATIONS**

CI FF NPUT EI	URRENI[A]	ACIN 100V		or DC120 - 37	) (AC50 or DC70	Please refer to	the instruction n	anual 7 ontion	* 5)				
	URRENI[A]	ACIN 100V			0 (7.000 0. 007.0	i lease leiel lu		ianuai 7. option	~J)				
IPUT EI			15typ	19typ									
PUT		ACIN 200V	8typ	10typ									
	REQUENCY[Hz]		50/60 (47 - 63)										
		ACIN 100V	72typ	77typ	81typ	81typ	83typ	84typ	84typ	84typ			
P	EFFICIENCY[%]	ACIN 200V	75typ	81typ	83typ	84typ	86typ	87typ	87typ	87typ			
I PO		ACIN 100V	0.98typ (lo=100%)										
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)										
		ACIN 100V	20/40typ (lo=10	0%) (Primary in	rush current /Se	condary inrush c	urrent) (More that	an 10 sec. to re-	start)				
IN	NRUSH CURRENT[A]	ACIN 200V	40/40typ (lo=10	0%) (Primary in	rush current /Se	condary inrush c	urrent) (More that	an 10 sec. to re-	start)				
LE	EAKAGE CURRENT[n	nA]	0.9/1.5max (AC	IN 100V/240V 6	0Hz, lo=100%, A	According to IEC	60950-1, DENA	V)					
V	/OLTAGE[V]		3.3	5	7.5	12	15	24	36	48			
		ACIN 100V		300	200	125	100	65	42	32			
C	CURRENT[A]	ACIN 200V *3	300	300	200	125	100	70(105)	47(70)	35			
LI	INE REGULATION[mV	/1	20max	20max	36max	48max	60max	96max	144max	192max			
	OAD REGULATION[m	-	40max	40max	60max	100max	120max	150max	150max	300max			
	-	0 to +50°C *1	80max	80max	120max	120max	120max	120max	150max	150max			
RI	RIPPLE[mVp-p]	-20 - 0°C *1	140max	140max	160max	160max	160max	160max	160max	400max			
		0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max			
	RIPPLE NOISE[mVp-p]	-20 - 0°C *1	160max	160max	180max	180max	180max	180max	240max	500max			
		0 to +50°C	40max	50max	75max	120max	150max	240max	360max	480max			
TEI	EMPERATURE REGULATION[mV]	-20 to +50°C	60max	75max	120max	180max	180max	290max	440max	600max			
D	DRIFT[mV]	*2	12max	20max	30max	48max	60max	96max	144max	192max			
	START-UP TIME[ms]		600tvp(ACIN 10	00/200V, lo=100	%)								
	OLD-UP TIME[ms]			0/200V, lo=100									
	OUTPUT VOLTAGE ADJUSTMENT RANGEIVI		2.64 - 3.96	3.96 - 6.00	5.25 - 8.25	8.25 - 13.20	10.50 - 16.50	16.50 - 26.40	25.20 - 39.60	38.40 - 56.00			
0	OUTPUT VOLTAGE SET	TING[V]	3.30 - 3.40	5.00 - 5.15	7.50 - 7.80	12.00 - 12.48	15.00 - 15.60	24.00 - 24.96	36.00 - 37.44	48.00 - 49.92			
0	OVERCURRENT PROT	ECTION	Works over 105	% of rated curre	ent or 101% of p	eak current and	recovers automa	tically					
	VERVOLTAGE PROTECT	ION[V] *4	Vo+0.66 - 1.32	Vo+1.0 - 2.0	Vo+1.5 - 3.0	Vo+2.4 - 4.8	Vo+3.0 - 6.0	Vo+4.8 - 9.6	Vo+7.2 - 14.4	Vo+4.8 - 12.0			
	<b>DPERATING INDICATIO</b>		LED (Green)										
THERS RI	REMOTE SENSING		Provided										
R	REMOTE ON/OFF		Provided										
IN	NPUT-OUTPUT · RC		AC3,000V 1mir	ute, Cutoff curre	ent = 25mA, DC5	$00V 50M\Omega$ min	(At Room Tempe	erature)					
	NPUT-FG		AC2,000V 1mir	ute, Cutoff curre	ent = 25mA, DC5	$00V 50M\Omega$ min	(At Room Tempe	erature)					
SOLATION 0	DUTPUT · RC · AUX-FO	G	AC500V 1minu	te, Cutoff curren	t = 100mA, DC5	00V 50MΩmin (	At Room Tempe	rature)					
0	DUTPUT-RC · AUX		AC500V 1minu	te, Cutoff curren	t = 100mA, DC5	00V 50MΩmin (	At Room Tempe	rature)					
OP	PERATING TEMP.,HUMID.AND	ALTITUDE	-20 to +71℃ (F	lequired Deratin	g), 20 - 90%RH	(Non condensing	) 3,000m (10,00	0feet) max					
ST	TORAGE TEMP., HUMID.AND	ALTITUDE			n condensing) 9,0								
	/IBRATION		10 - 55Hz, 19.6	im/s² (2G), 3mi	nutes period, 60	minutes each ald	ng X, Y and Z a	xis					
IN	MPACT		196.1m/s <sup>2</sup> (200	196.1m/s <sup>2</sup> (20G). 11ms, once each X, Y and Z axis									
AFETY AND AG	GENCY APPROVALS (At only	AC input)	UL60950-1, C-	JL(CSA60950-1	), EN60950-1, El	N50178 Complie	s with DEN-AN						
OISE CO	CONDUCTED NOISE		Complies with F	CC Part15 classE	, VCCI-B, CISPR	22-B, EN55011-B	, EN55022-B, add	litional EMI/EMC F	ilter required for	meeting class			
EGULATIONS H	ARMONIC ATTENUAT	OR	Complies with	EC61000-3-2 *	7								
THERS	CASE SIZE/WEIGHT 178 × 61 × 268mm (7.01 × 2.4 × 10.55 inches) (without terminal block and screw) (W × H × D) /3.4							(W×H×D) /3.4k	g max				
C	COOLING METHOD		Forced cooling	(internal fan)									

:RM101). Ripple and ripple noise is measured on measuring board with capacitor of 22  $\mu\,F$  within

150mm from the output terminal. \*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.

\*3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual in detail.

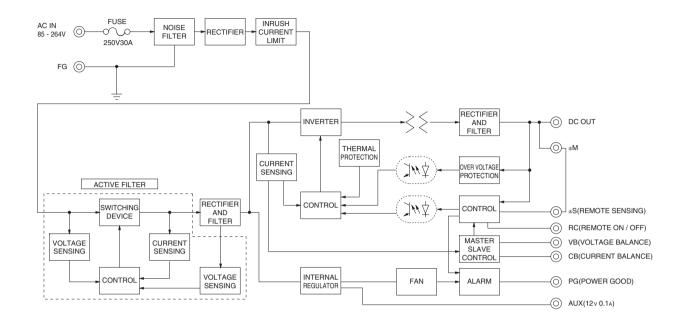
\*5 Derating is required.Consult us for details. \*6 Please contact us about safety approvals for the model with option.

Please contact us about class C. \*7

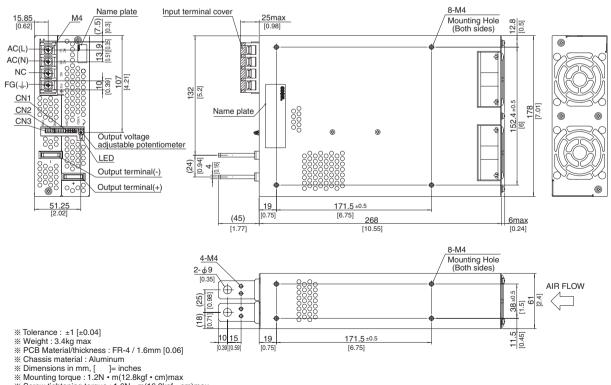
\* A sound may occur from power supply at pulse loading.

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**Block diagram** 

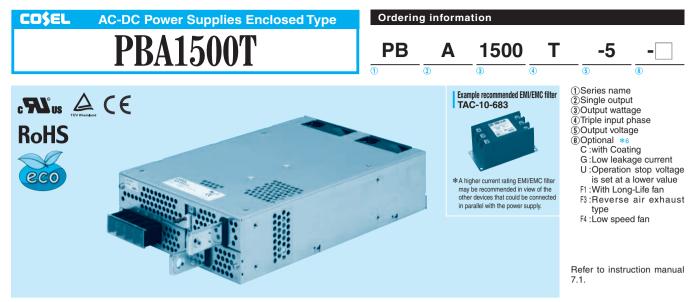


**External view** 



Screw tightening torque : 1.6N • m(16.9kgf • cm)max
 The housing for the remote sensing unused is mounted on CN1

\* Please connect safety ground to FG terminal on the unit.



MODEL		PBA1500T-5	PBA1500T-12	PBA1500T-24	PBA1500T-48	
MAX OUTPUT WATTAGE[W]		1500	1500	1680	1680	
DC OUTPUT ACIN 200V *3		5V 300A	12V 125A	24V 70(105)A	48V 35A	

### **SPECIFICATIONS**

	MODEL		PBA1500T-5	PBA1500T-12	PBA1500T-24	PBA1500T-48					
	VOLTAGE[V]		AC170 - 264 3 \$\phi\$ (AC100 Please	e refer to the instruction manual	7. option *5)	•					
	CURRENT[A]	ACIN 200V									
	FREQUENCY[Hz]		50/60 (47 - 63)								
INPUT	EFFICIENCY[%]	ACIN 200V	81typ	84typ	87typ	87typ					
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)								
	INRUSH CURRENT[A]	ACIN 200V	40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)								
	LEAKAGE CURRENT[r	nA]	1.5max (ACIN 240V 60Hz, Io=100%, According to IEC60950-1, DENAN)								
	VOLTAGE[V]		5	12	24	48					
	CURRENT[A]	ACIN 200V *3	300	125	70(105)	35					
	LINE REGULATION[m]	/]	20max	48max	96max	192max					
	LOAD REGULATION[m	ιV]	40max	100max	150max	300max					
		0 to +50°C *1	80max	120max	120max	150max					
	RIPPLE[mVp-p]	-20 - 0℃ *1	140max	160max	160max	400max					
		0 to +50°C *1	120max	150max	150max	200max					
OUTPUT	RIPPLE NOISE[mVp-p]	-20 - 0°C *1	160max	180max	180max	500max					
TEMP	TEMPERATURE REGULATION[mV]	0 to +50°C	50max	120max	240max	480max					
	TEMPERATURE REGULATION[IIIV]	-20 to +50°C	75max	180max	290max	600max					
	DRIFT[mV] *		20max	48max	96max	192max					
	START-UP TIME[ms]		300typ(ACIN 200V, Io=100%) *	Start-up time is 500ms typ for less	than 1 minute of applying input aga	in from turning off the input voltage					
	HOLD-UP TIME[ms]		20typ (ACIN 200V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		3.96 - 6.00	8.25 - 13.20	16.50 - 26.40	38.40 - 56.00					
	OUTPUT VOLTAGE SET	TING[V]	5.00 - 5.15	12.00 - 12.48	24.00 - 24.96	48.00 - 49.92					
	OVERCURRENT PROT	ECTION	Works over 105% of rated current or 101% of peak current and recovers automatically								
PROTECTION	OVERVOLTAGE PROTECT	ION[V] *4	Vo+1.0 - 2.0	Vo+2.4 - 4.8	Vo+4.8 - 9.6	Vo+2.0 - 12.0					
CIRCUIT AND	OPERATING INDICATIO	ON	LED (Green)								
OTHERS	REMOTE SENSING		Provided								
	REMOTE ON/OFF		Provided								
	INPUT-OUTPUT · RC		AC3,000V 1minute, Cutoff curre	ent = 25mA, DC500V 50M $\Omega$ min	(At Room Temperature)						
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff curre	ent = 25mA, DC500V 50M $\Omega$ min	(At Room Temperature)						
ISOLAHON	OUTPUT · RC · AUX-F	G	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-RC · AUX		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OPERATING TEMP.,HUMID.AND	ALTITUDE	-20 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3,000m (10,000feet) max								
ENVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing) 9,000m (30,000feet) max								
	VIBRATION		10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axis								
	IMPACT		196.1m/s <sup>2</sup> (20G), 11ms, once e	ach X, Y and Z axis							
SAFETY AND NOISE	AGENCY APPROVALS (At only	y AC input)	UL60950-1, C-UL(CSA60950-1)	, EN60950-1, EN50178 Complie	es with DEN-AN						
REGULATIONS	CONDUCTED NOISE		Complies with FCC Part15 classB	, VCCI-B, CISPR22-B, EN55011-E	3, EN55022-B, additional EMI/EMC	Filter required for meeting class B					
OTHERS	CASE SIZE/WEIGHT		178×61×268mm [7.01×2.4×	10.55 inches] (without terminal b	lock and screw) (W $\times$ H $\times$ D) /3.4	kg max					
SHILING	COOLING METHOD		Forced cooling (internal fan)								

Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN \*1 :RM101).

\*4 Overvoltage protection circuit to follow to output voltage setting. Standard overvoltage protection circuit is please contact us for details. \*5 Derating is required.Consult us for details.

Ripple and ripple noise is measured on measuring board with capacitor of 22 µ F within 150mm from the output terminal.

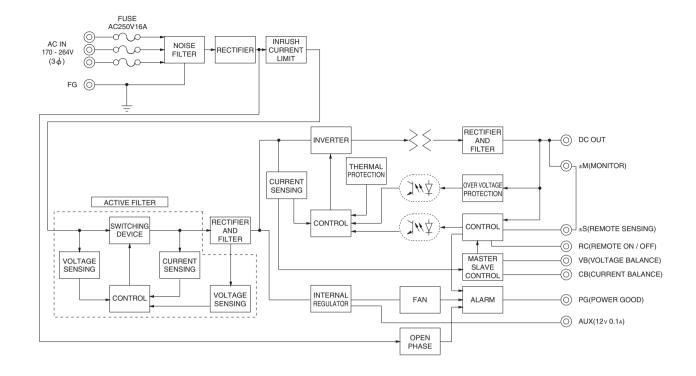
2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
 3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual

in detail.

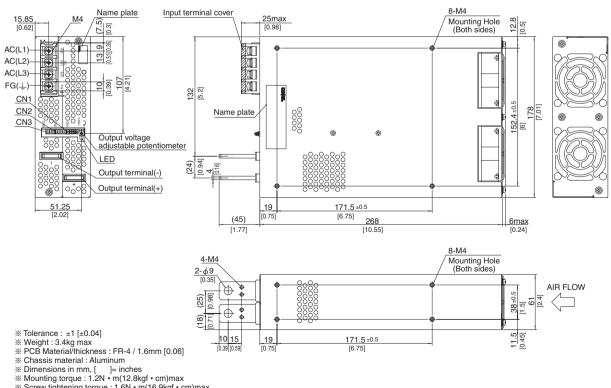
- Please contact us about safety approvals for the model with option. \*6
- \* A sound may occur from power supply at pulse loading.

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**Block diagram** 



#### **External view**



\* Please connect safety ground to unit in M4 holes.

Screw tightening torque : 1.6N • m(16.9kgf • cm)max
 The housing for the remote sensing unused is mounted on CN1

# **Mouser Electronics**

Authorized Distributor

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 PBA300F-3R3-C
 PBA300F-3R3-F3
 PBA300F-3R3-F4
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 PBA300F-3R3-N1
 PBA300F-3R3-U

 PBA300F-48-C
 PBA300F-48-F3
 PBA300F-48-F4
 PBA300F-48-G
 PBA300F-48-N1
 PBA300F-48-U
 PBA300F-5-C

 PBA300F-12-C
 PBA300F-12-F3
 PBA300F-12-F4
 PBA300F-12-G
 PBA300F-12-N1
 PBA300F-12-U
 PBA300F-15-C

 PBA300F-15-F3
 PBA300F-15-F4
 PBA300F-15-G
 PBA300F-15-N1
 PBA300F-15-U
 PBA300F-24-C
 PBA300F-24-F3

 PBA300F-24-F4
 PBA300F-24-G
 PBA300F-24-N1
 PBA300F-24-U
 PBA300F-36-C
 PBA300F-36-F3
 PBA300F-36-F3

 F4
 PBA300F-36-G
 PBA300F-36-N1
 PBA300F-36-U
 PBA600F-24-M
 PBA300F-5-F3
 PBA300F-5-F4
 PBA300F-5-G

 PBA300F-5-N1
 PBA300F-5-U
 PBA300F-7R5-C
 PBA300F-7R5-F3
 PBA300F-7R5-G
 PBA300F-7R5-G

 PBA300F-7R5-U
 PBA300F-7R5-U
 PBA300F-7R5-F3
 PBA300F-7R5-F4
 PBA300F-7R5-G
 PBA300F-7R5-G