RoHS

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PBA300F

A 300





High voltage pulse noise type : NAP series Low leakage current type : NAM series *The EMI/EMC Filter is recommended to connect with several devices.

- ①Series name ②Single output ③Output wattage
- 4 Universal input
- ⑤Output voltage
- ©Optional *5
 C :with Coating
 G :Low leakage current
 U :Operation stop voltage
 - is set at a lower value
 - F3:Reverse air exhaust
 - type F4:Low speed fan
 - N1 :with DIN rail

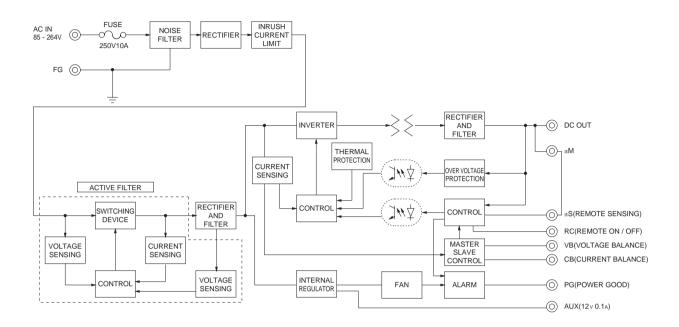
Refer to instruction manual

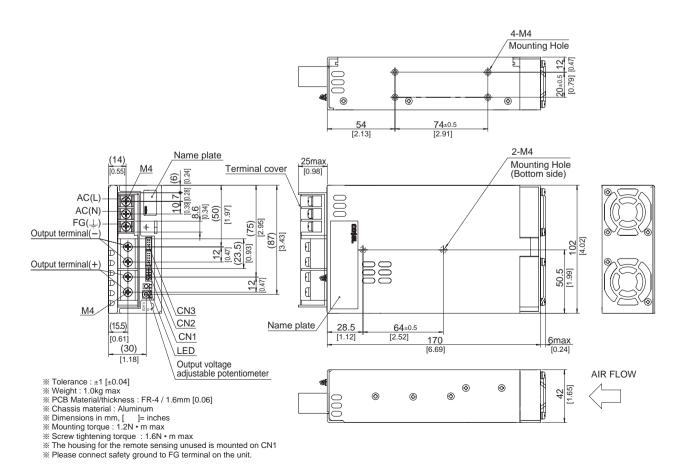
MODEL		PBA300F-3R3	PBA300F-5	PBA300F-7R5	PBA300F-12	PBA300F-15	PBA300F-24	PBA300F-36	PBA300F-48
MAX OUTPUT WATTAGE[W]		198	300	300	324	330	336	324	336
DC CLITPLIT	ACIN 100V	3.3V 60A	5V 60A	7.5V 40A	12V 27A	15V 22A	24V 14A	36V 9A	48V 7A
DC OUTPUT	ACIN 200V *3	3.3V 60A	5V 60A	7.5V 40A	12V 27A	15V 22A	24V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

	MODEL		PBA300F-3R3	PBA300F-5	PBA300F-7R5	PBA300F-12	PBA300F-15	PBA300F-24	PBA300F-36	PBA300F-48
	VOLTAGE[V]		AC85 - 264 1 φ	or DC120 - 350	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)							
INPUT	EEEICIENCVII/1	ACIN 100V	68typ	74typ	76typ	78typ	78typ	79typ	81typ	79typ
	EFFICIENCY[%]	ACIN 200V	71typ	77typ	79typ	81typ	81typ	82typ	84typ	82typ
	DOWED FACTOR	ACIN 100V	0.98typ (lo=100	1%)						
	POWER FACTOR	ACIN 200V	0.95typ (lo=100	0.95typ (lo=100%)						
	INRUSH CURRENT[A]	ACIN 100V	20/40typ (lo=10	0/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 3 sec. to re-start) 0/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 3 sec. to re-start)						
	INKUSH CUKKENI[A]	ACIN 200V	40/40typ (Io=10	00%) (Primary in	en 3 sec. to re-s	start)				
	LEAKAGE CURRENT[r	nA]	0.45/0.75max (ACIN 100V/240\	√ 60Hz, lo=100%	According to II	EC60950-1,DEN	AN)		
	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48
	CUDDENTIAL	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\	/]	20max	20max	36max	48max	60max	96max	144max	192max
	LOAD REGULATION[m	V]	40max	40max	60max	100max	120max	150max	150max	300max
	DIDDI ElmVa1	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
OUTDUT	DIDDLE NOICEIV1	0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max
OUTPUT	RIPPLE NOISE[mVp-p]	-20 - 0°C *1	160max	160max	180max	180max	180max	180max	240max	500max
	TEMPERATURE REGULATION[mV]	0 to +50°C	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]		300typ(ACIN 100	/200V, Io=100%)	*Start-up time is	500ms typ for less	than 1minute of	applying input aga	in from turning off	the input voltage.
	HOLD-UP TIME[ms]			0/200V, lo=100						
	OUTPUT VOLTAGE ADJUSTMENT		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
	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
	OVERCURRENT PROT				ent or 101% of p					
PROTECTION	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 INDICATION	ON	LED (Green)							
OTHERS	REMOTE SENSING		Provided							
	REMOTE ON/OFF		Provided							
	INPUT-OUTPUT · RC				ent = 10mA, DC5					
ISOLATION	INPUT-FG				ent = 10mA, DC5					
	OUTPUT · RC · AUX-F	G			t = 100mA, DC5					
	OUTPUT-RC · AUX				t = 100mA, DC5					
	OPERATING TEMP.,HUMID.AND				g), 20 - 90%RH			Ofeet) max		
ENVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE			n condensing) 9,					
	VIBRATION				nutes period, 60		ong X, Y and Z a	axis		
	IMPACT				each X, Y and Z					
OALLII AND		AC input)), EN60950-1, EI					
NOISE	CONDUCTED NOISE				sB, VCCI-B, CIS	PR22-B, EN550	11-B, EN55022-	В		
REGULATIONS	HARMONIC ATTENUAT	OR		EC61000-3-2 *				,		
OTHERS	CASE SIZE/WEIGHT				< 6.69 inches] (w	ithout terminal bl	ock and screw)	(W×H×D) /1.0	kg max	
	COOLING METHOD		Forced cooling	(internal fan)						

- Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN
- *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.
- imes 4 Derating is required.Consult us for details.

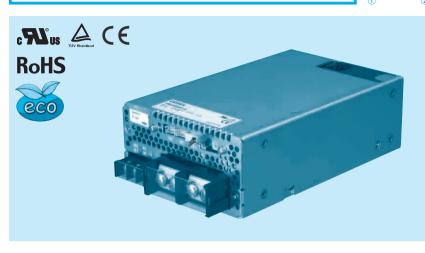
- *5 Please contact us about safety approvals for the model with option.
- *6 Please contact us about class C.
- A sound may occur from power supply at pulse loading.





PBA600F

600



Recommended EMI/EMC Filter NAC-16-472

High voltage pulse noise type : NAP series Low leakage current type : NAM series *The EMI/EMC Filter is recommended to connect with several devices.

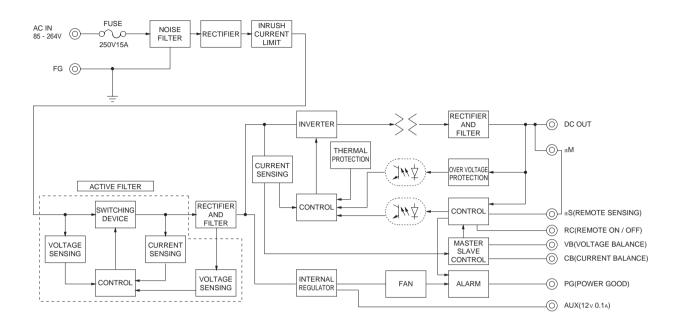
- ①Series name ②Single output ③Output wattage
- 4 Universal input
- (a) Oil velsal in put
 (b) Output voltage
 (c) Optional *6
 (c) With Coating
 (c) C: With Coating
 (c) C: With Coating
 (d) C: With Coating
 (e) C: With Coating
 (f) C: With is set at a lower value F1:With Long-Life fan F3:Reverse air exhaust
- tvpe
- F4:Low speed fan

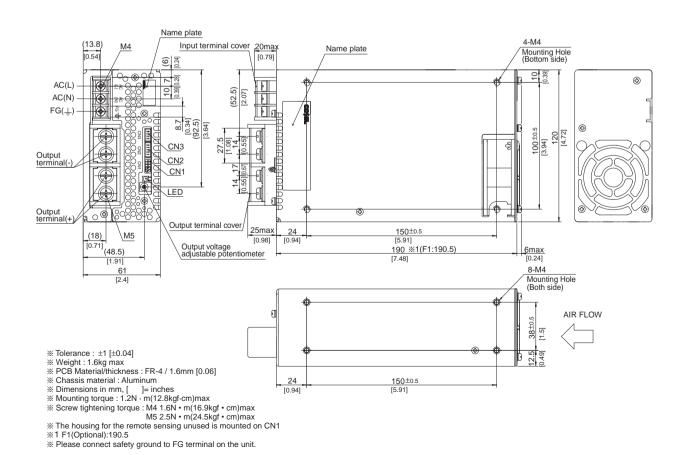
Refer to instruction manual

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 OUTDUT	ACIN 100V	3.3V 120A	5V 120A	7.5V 80A	12V 53A	15V 43A	24V 27A	36V 18A	48V 13A
DC OUTPUT	ACIN 200V *3	3.3V 120A	5V 120A	7.5V 80A	12V 53A	15V 43A	24V 27(31)A	36V 18A	48V 13A

	MODEL		PBA600F-3R3	PBA600F-5	PBA600F-7R5	PBA600F-12	PBA600F-15	PBA600F-24	PBA600F-36	PBA600F-48		
	VOLTAGE[V]		AC85 - 264 1 φ	or DC120 - 350	0 (AC50 or DC70	Please refer to	the instruction r	nanual 7. option	* 5)			
	CURRENT[A]	ACIN 100V	5.8typ	8.2typ								
	CURRENT[A]	ACIN 200V	3typ	4.1typ								
	FREQUENCY[Hz]		50/60 (47 - 63)									
INPUT	EFFICIENCY[%]	ACIN 100V	70typ	75typ	76typ	79typ	79typ	81typ	82typ	81typ		
	EFFICIENCT[%]	ACIN 200V	72typ	77typ	79typ	82typ	82typ	84typ	84typ	83typ		
	DOWED FACTOR	ACIN 100V	0.98typ (lo=100%)									
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)									
	INRUSH CURRENT[A]	ACIN 100V	20/40typ (Io=10	Otyp (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)								
	INKOSH COKKENT[A]	ACIN 200V	40/40typ (Io=10	40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)								
	LEAKAGE CURRENT[r	mA]	0.45/0.75max (ACIN 100V/240\	/ 60Hz, lo=100%	According to I	EC60950-1, DEN	IAN)				
	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48		
	CURRENTIAL	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\	/]	20max	20max	36max	48max	60max	96max	144max	192max		
	LOAD REGULATION[m	ıV]	40max	40max	60max	100max	120max	150max	150max	300max		
	DIDDI ElmVa1	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		
OUTPUT RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max			
OUTPUT	KIPPLE NOISE[IIIVP-P]	-20 - 0°C * 1	160max	160max	180max	180max	180max	180max	240max	500max		
	TEMPERATURE REGULATION[mV]	0 to +50°C	40max	50max	75max	120max	150max	240max	360max	480max		
	TEMPERATURE REGULATION[IIIV]	-20 to +50℃	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	500ms typ for less	than 1minute of	applying input aga	in from turning off	the input voltage.		
	HOLD-UP TIME[ms]			0/200V, lo=1009								
	OUTPUT VOLTAGE ADJUSTMENT		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		
	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		Works over 105	% of rated curre	ent or 101% of p	eak current and	recovers automa	atically				
PROTECTION	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 - 12.0		
	OPERATING INDICATION	ON	LED (Green)									
OTHERS	REMOTE SENSING		Provided									
	REMOTE ON/OFF		Provided									
	INPUT-OUTPUT · RC				ent = 10mA, DC5							
ISOLATION	INPUT-FG				ent = 10mA, DC5							
IOOLATION	OUTPUT · RC · AUX-F	G			t = 100mA, DC5							
	OUTPUT-RC · AUX				t = 100mA, DC5							
	OPERATING TEMP.,HUMID.AND	ALTITUDE			g), 20 - 90%RH			00feet) max				
ENVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE			n condensing) 9,							
FI4A II / OIAINI EIA I	VIBRATION				nutes period, 60		ong X, Y and \overline{Z} a	axis				
	IMPACT				each X, Y and Z							
OALLII AND		y AC input)), EN60950-1, E							
NOISE	CONDUCTED NOISE				sB, VCCI-B, CIS	PR22-B, EN550	11-B, EN55022-	В				
REGULATIONS	HARMONIC ATTENUAT	TOR		EC61000-3-2 *1								
OTHERS	CASE SIZE/WEIGHT		120 × 61 × 190n	nm [4.72 × 2.4 ×	7.48 inches] (wit	hout terminal blo	ck and screw) (\	$N \times H \times D$) /1.6kg	g max			
OTHERS	COOLING METHOD		Forced cooling	(internal fan)								

- Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN
- *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
- *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.
- *6 Please contact us about safety approvals for the model with option.
- *7 Please contact us about class C.
- A sound may occur from power supply at pulse loading.





PBA1000F

1000



①Series name ②Single output

(3)Output wattage 4 Universal input

⑤Output voltage

©Optional *6
 C :with Coating
 G :Low leakage current
 U :Operation stop voltage

is set at a lower value F1:With Long-Life fan F3:Reverse air exhaust tvpe

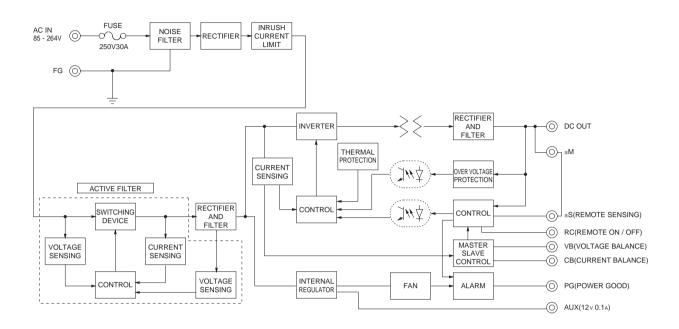
F4:Low speed fan

Refer to instruction manual

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 CUITRUIT	ACIN 100V	3.3V 200A	5V 200A	7.5V 134A	12V 88A	15V 70A	24V 44A	36V 29A	48V 22A
DC OUTPUT	ACIN 200V *3	3.3V 200A	5V 200A	7.5V 134A	12V 88A	15V 70A	24V 44(51)A	36V 29A	48V 22A

	MODEL		PBA1000F-3R3	PBA1000F-5	PBA1000F-7R5	PBA1000F-12	PBA1000F-15	PBA1000F-24	PBA1000F-36	PBA1000F-48		
	VOLTAGE[V]		AC85 - 264 1 φ	or DC120 - 350	(AC50 or DC70	Please refer to	the instruction n	nanual 7. option	* 5)			
	CURRENT[A]	ACIN 100V		13typ								
	CORRENT[A]	ACIN 200V	5typ									
	FREQUENCY[Hz]		50/60 (47 - 63)									
INPUT	EEEICIENCVII/1	ACIN 100V	74typ	79typ	80typ	82typ	82typ	84typ	84typ	84typ		
	EFFICIENCY[%]	ACIN 200V	76typ	81typ	83typ	84typ	84typ	86typ	86typ	86typ		
	POWER FACTOR	ACIN 100V	0.98typ (lo=100)%)								
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)									
	INRUSH CURRENT[A]	ACIN 100V	20/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More then 10 sec. to re-start)									
	ACIN 200V		40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More then 10 sec. to re-start)									
	LEAKAGE CURRENT[r	nA]	0.5/1.0max (AC	IN 100V/240V 6	0Hz, lo=100%, A	According to IEC	60950-1, DENA	N)				
	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48		
	CURRENT[A]	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\	/]	20max	20max	36max	48max	60max	96max	144max	192max		
	LOAD REGULATION[m	ıV]	40max	40max	60max	100max	120max	150max	150max	300max		
	DIDDI ElmVa al	0 to +50°C *1	80max	80max	120max	120max	120max	120max	150max	150max		
RIPPLE[mVp-p] OUTPUT RIPPLE NOISE[mVp-	KIPPLE[IIIVP-p]	-20 - 0℃ *1	140max	140max	160max	160max	160max	160max	160max	400max		
	RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max		
OUIPUI	KIPPLE NOISE[IIIVP-P]	-20 - 0℃ *1	160max	160max	180max	180max	180max	180max	240max	500max		
	TEMPERATURE REGULATION[mV]	0 to +50°C	40max	50max	75max	120max	150max	240max	360max	480max		
		-20 to +50℃	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, Io=100%)	*Start-up time is	500ms typ for less	than 1minute of a	applying input aga	in from turning off	the input voltage.		
	HOLD-UP TIME[ms]			0/200V, lo=1009								
	OUTPUT VOLTAGE ADJUSTMENT		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		
	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		
	OVERCURRENT PROT				ent or 101% of p							
PROTECTION	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 - 12.0		
	OPERATING INDICATION	NC	LED (Green)									
OTHERS	REMOTE SENSING		Provided									
	REMOTE ON/OFF		Provided									
	INPUT-OUTPUT · RC				ent = 25mA, DC5							
ISOLATION	INPUT-FG				ent = 25mA, DC5							
1002/11011	OUTPUT · RC · AUX-F	G			t = 100mA, DC5							
	OUTPUT-RC · AUX				t = 100mA, DC5							
	OPERATING TEMP.,HUMID.AND				g), 20 - 90%RH		,	Ofeet) max				
ENVIRONMENT	STORAGE TEMP., HUMID.AND	ALTITUDE			n condensing) 9,0							
LittintoniiiLiti	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis									
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis									
OALLII AND		/ AC input)), EN60950-1, EI							
NOISE	CONDUCTED NOISE				sB, VCCI-B, CIS	PR22-B, EN550	11-B, EN55022-	В				
REGULATIONS	HARWONIC ATTENDA	TOR		EC61000-3-2 *								
OTHERS	CASE SIZE/WEIGHT				9.45 inches] (with	nout terminal blo	ck and screw) (V	$N \times H \times D$) /2.2kg	g max			
J.71E110	COOLING METHOD		Forced cooling	(internal fan)								

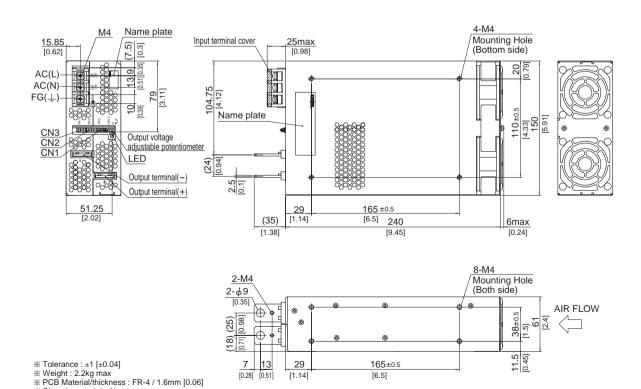
- Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN
 - Ripple and ripple noise is measured on measuring board with capacitor of 22 $\mu\,\text{F}$ within 150mm from the output terminal.
- *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C. *3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual in detail.
- *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
- *6 Please contact us about safety approvals for the model with option.
- Please contact us about class C.
- A sound may occur from power supply at pulse loading.



External view

Chassis material : Aluminum

Chassis material: Aluminum
 Dimensions in mm, []= inches
 Mounting torque: 1.2N • m(12.8kgf • cm)max
 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.



[0.28] [0.51]

[1.14]

[6.5]

RoHS

eco

PBA1500F

A 1500



- ①Series name ②Single output
- (3)Output wattage 4 Universal input
- ⑤Output voltage
- ©Optional *6
 C :with Coating
 G :Low leakage current
 U :Operation stop voltage is set at a lower value

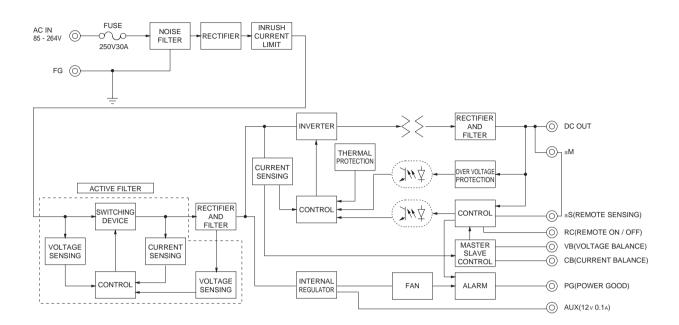
 - F1:With Long-Life fan F3:Reverse air exhaust tvpe
 - F4:Low speed fan

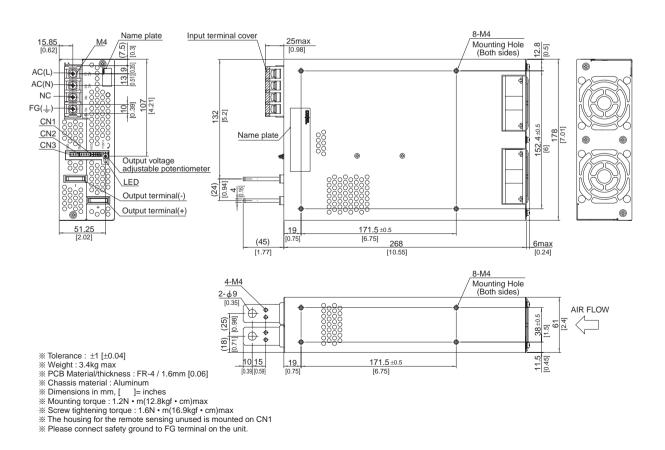
Refer to instruction manual

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 OUTDUT	ACIN 100V	3.3V 300A	5V 300A	7.5V 200A	12V 125A	15V 100A	24V 65A	36V 42A	48V 32A
DC OUTPUT	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

	MODEL		PBA1500F-3R3	PBA1500F-5	PBA1500F-7R5	PBA1500F-12	PBA1500F-15	PBA1500F-24	PBA1500F-36	PBA1500F-48		
	VOLTAGE[V]		AC85 - 264 1 φ	or DC120 - 37	0 (AC50 or DC70	Please refer to	the instruction n	nanual 7. option	* 5)			
	CURRENT[A]	ACIN 100V	15typ	19typ								
	CORRENT[A]	ACIN 200V	8typ	10typ								
	FREQUENCY[Hz]		50/60 (47 - 63)									
INPUT	EFFICIENCY[%]	ACIN 100V	72typ	77typ	81typ	81typ	83typ	84typ	84typ	84typ		
	EFFICIENCI[//	ACIN 200V	75typ	81typ	83typ	84typ	86typ	87typ	87typ	87typ		
	POWER FACTOR		0.98typ (lo=100									
	POWER FACTOR		0.95typ (lo=100%)									
			20/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)									
	INKOSII COKKLIVI[A]	ACIN 200V	40/40typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)									
	LEAKAGE CURRENT[r	nA]	0.9/1.5max (AC	IN 100V/240V (60Hz, lo=100%, /	According to IEC	60950-1, DENA	N)				
	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48		
	CURRENT[A]	ACIN 100V	300	300	200	125	100	65	42	32		
	CONNENTIAL	ACIN 200V *3	300	300	200	125	100	70(105)	47(70)	35		
	LINE REGULATION[m\	•	20max	20max	36max	48max	60max	96max	144max	192max		
	LOAD REGULATION[m		40max	40max	60max	100max	120max	150max	150max	300max		
	RIPPLE[mVp-p]	0 to +50°C *1	80max	80max	120max	120max	120max	120max	150max	150max		
	KII I EE[IIIVP-P]	-20 - 0℃ *1	140max	140max	160max	160max	160max	160max	160max	400max		
OUTPUT	RIPPLE NOISE[mVp-p]	0 to +50°C *1	120max	120max	150max	150max	150max	150max	200max	200max		
0011 01	Kii i EE NOIOE[iiivp-p]	-20 - 0℃ *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℃	60max	75max	120max	180max	180max	290max	440max	600max		
	DRIFT[mV]	*2	12max	20max	30max	48max	60max	96max	144max	192max		
	START-UP TIME[ms]		600typ(ACIN 100/200V, lo=100%) 20typ (ACIN 100/200V, lo=100%)									
	HOLD-UP TIME[ms]					T	1	ı		1		
	OUTPUT VOLTAGE ADJUSTMENT		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		
	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				I			
PROTECTION	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 - 12.0		
CIRCUIT AND OTHERS		ON	LED (Green)									
OTTLENO	REMOTE SENSING		Provided Provided									
	REMOTE ON/OFF				ent = 25mA, DC5	500\/ 50M o i-	/A+ D T					
	INPUT-OUTPUT · RC INPUT-FG				ent = 25mA, DC: ent = 25mA, DC:							
ISOLATION	OUTPUT · RC · AUX-F	^			ent = 25mA, DCt nt = 100mA, DC5							
	OUTPUT-RC · AUX	<u> </u>			nt = 100mA, DC5							
	OPERATING TEMP.:HUMID.AND	ALTITUDE			ig), 20 - 90%RH							
	STORAGE TEMP.;HUMID.AND				n condensing) 9,			oleet) max				
ENVIRONMENT	VIBRATION	ALIIIUDE			inutes period, 60			vie				
	IMPACT				each X, Y and Z		nig Λ, i aliu Z a	inio				
045557/4:5	AGENCY APPROVALS (At only	/ AC innut)), EN60950-1, E		s with DEN_AN					
SAFETY AND NOISE	CONDUCTED NOISE	AO IIIPUL)			B, VCCI-B, CISPR			litional EMI/EMC	Filter required for	meeting class B		
	HARMONIC ATTENUAT	TOR .	Complies with I			دد الا	, LINUUZZ-D, duc	nuonai Livii/Livio	i iitor required iti	moduliy dass b		
	CASE SIZE/WEIGHT	OIL			10.55 inches] (w	ithout terminal b	lock and screw)	(M ^ H ^ D) \3 \1	ka may			
OTHERS	COOLING METHOD		Forced cooling		TO.33 ITICITES] (W	iniout terriiriai Di	IOUN AIIU SUIEW)	(VV 人口入口) /3.41	ny iilax			
	COCLING WIETHOD		i oiceu coolling	(IIIIdi Idil)								

- Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN
 - Ripple and ripple noise is measured on measuring board with capacitor of 22 $\mu\,\text{F}$ 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.
- *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.
- *6 Please contact us about safety approvals for the model with option.
- Please contact us about class C.
- A sound may occur from power supply at pulse loading.





PBA1500T

1500



- ①Series name ②Single output
- ③Output wattage 4 Triple input phase

- (a) Triple litput phase
 (b) Output voltage
 (c) Output voltage
 (d) Optional *6
 (e) C: with Coating
 (e) C: with Coating
 (e) C: with Coating
 (f) C: w

 - is set at a lower value F1:With Long-Life fan F3:Reverse air exhaust tvpe

 - F4:Low speed fan

Refer to instruction manual

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

	MODEL		PBA1500T-5	PBA1500T-12	PBA1500T-24	PBA1500T-48				
	VOLTAGE[V]		AC170 - 264 3φ (AC100 Pleas	e refer to the instruction manual	7. option * 5)	_				
	CURRENT[A]	ACIN 200V	6typ							
INPUT	FREQUENCY[Hz]		50/60 (47 - 63)							
	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[mA]		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	V]	40max	100max	150max	300max				
	RIPPLE[mVp-p]	0 to +50°C * 1	80max	120max	120max	150max				
	Kii i EE[iii¥p-p]	-20 - 0℃ *1	140max	160max	160max	400max				
	RIPPLE NOISE[mVp-p]	0 to +50°C * 1	120max	150max	150max	200max				
OUTPUT	Kii i EE NOIOE[iii VP-P]	-20 - 0℃ *1	160max	180max	180max	500max				
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	120max	240max	480max				
	TEMI ENATORE REGULATION[IIIV]	-20 to +50℃	75max	180max	290max	600max				
	DRIFT[mV] *2		20max	48max	96max	192max				
	START-UP TIME[ms]		300typ(ACIN 200V, Io=100%) 3	Start-up time is 500ms typ for less	s than 1 minute of applying input aga	ain 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 OTHERS	OPERATING INDICATION	NC	LED (Green)							
OTTIERS	REMOTE SENSING		Provided							
	REMOTE ON/OFF		Provided							
	INPUT-OUTPUT · RC			ent = 25mA, DC500V 50M Ω mir	· · · · · · · · · · · · · · · · · · ·					
ISOLATION	INPUT-FG			ent = 25mA , DC500V $50\text{M}\Omega\text{min}$	· · · · · · · · · · · · · · · · · · ·					
	OUTPUT · RC · AUX-F	G		$t = 100 \text{mA}, DC500V 50M \Omega \text{min}$						
	OUTPUT-RC · AUX			$t = 100 \text{mA}, DC500V 50M\Omega \text{min}$	· · · · · · · · · · · · · · · · · · ·					
	OPERATING TEMP.,HUMID.AND			g), 20 - 90%RH (Non condensir	<u> </u>					
ENVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE		n condensing) 9,000m (30,000fe						
	VIBRATION		<u> </u>	nutes period, 60minutes each a	long X, Y and Z axis					
OAFFTV ASS	IMPACT		196.1m/s² (20G), 11ms, once e							
SAFETY AND NOISE	AGENOT ALT HOTAEG (AL OIL)	/ AC input)	<u> </u>), EN60950-1, EN50178 Compli						
REGULATIONS	CONDUCTED NOISE				B, EN55022-B, additional EMI/EMC					
OTHERS	CASE SIZE/WEIGHT			10.55 inches] (without terminal I	block and screw) (W x H x D) /3.4	kg max				
	COOLING METHOD		Forced cooling (internal fan)							

- Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN :RM101).
 - 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.
- 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.
- *6 Please contact us about safety approvals for the model with option.
 - A sound may occur from power supply at pulse loading.

