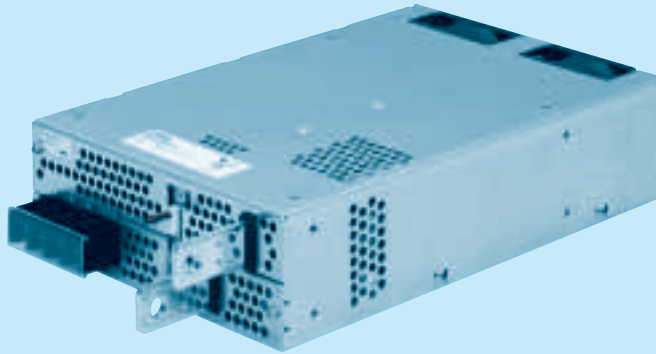


PBA1500F

PBA 1500 F -5 -□

① ② ③ ④ ⑤



- ① Series name
- ② Output wattage
- ③ Universal input
- ④ Output voltage
- ⑤ Optional
 - 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 type
 - F4 :Low speed fan

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
	ACIN 200V *3	3.3V 300A	5V 300A	7.5V 200A	12V 125A	15V 100A	24V 70(105)A	36V 47(70)A

SPECIFICATIONS

	MODEL		PBA1500F-3R3	PBA1500F-5	PBA1500F-7R5	PBA1500F-12	PBA1500F-15	PBA1500F-24	PBA1500F-36	PBA1500F-48	
INPUT	VOLTAGE[V]		AC85 - 264 1ϕ or DC120 - 370								
	CURRENT[A]	ACIN 100V	15typ	19typ							
		ACIN 200V	8typ	10typ							
	FREQUENCY[Hz]		50/60 (47 - 63)								
	EFFICIENCY[%]	ACIN 100V	72typ	77typ	81typ	81typ	83typ	84typ	84typ	84typ	
		ACIN 200V	75typ	81typ	83typ	84typ	86typ	87typ	87typ	87typ	
	POWER FACTOR	ACIN 100V	0.98typ (Io=100%)								
		ACIN 200V	0.95typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	20/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)								
		ACIN 200V	40/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)								
	LEAKAGE CURRENT[mA]		0.9/1.5max (ACIN 100V/240V 60Hz, Io=100%, According to IEC60950-1)								
OUTPUT	VOLTAGE[V]		3.3	5	7.5	12	15	24	36	48	
	CURRENT[A]	ACIN 100V	300	300	200	125	100	65	42	32	
		ACIN 200V *3	300	300	200	125	100	70(105)	47(70)	35	
	LINE REGULATION[mV]		20max	20max	36max	48max	60max	96max	144max	192max	
	LOAD REGULATION[mV]		40max	40max	60max	100max	120max	150max	150max	300max	
	RIPPLE[mVp-p]	0 to +50°C *1	80max	80max	120max	120max	120max	120max	150max	150max	
		-20 - 0°C *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	
		-20 - 0°C *1	160max	160max	180max	180max	180max	180max	240max	500max	
	TEMPERATURE REGULATION[mV]	0 to +50°C *1	40max	50max	75max	120max	150max	240max	360max	480max	
		-20 to +50°C *1	60max	75max	120max	180max	180max	290max	440max	600max	
			*2	12max	20max	30max	48max	60max	96max	144max	192max
		START-UP TIME[ms]		600typ(ACIN 100/200V, Io=100%) Start-up time is 500ms typ for less than 1minute of applying input again from turning off the input voltage.							
	HOLD-UP TIME[ms]		20typ (ACIN 100/200V, Io=100%)								
PROTECTION CIRCUIT AND OTHERS	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 - 56.00	
	OUTPUT VOLTAGE SETTING[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 PROTECTION		Works over 105% of rated current or 101% of peak current and recovers automatically								
	OVERVOLTAGE PROTECTION[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		LED (Green)								
	REMOTE SENSING		Provided								
	REMOTE ON/OFF		Provided								
	ISOLATION	INPUT-OUTPUT · RC		AC3.000V 1minute, Cutoff current = 25mA, DC500V 50MΩmin (At Room Temperature)							
INPUT-FG		AC2.000V 1minute, Cutoff current = 25mA, DC500V 50MΩmin (At Room Temperature)									
OUTPUT · RC · AUX-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)									
OUTPUT-RC · AUX		AC100V 1minute, Cutoff current = 100mA, DC100V 50MΩmin (At Room Temperature)									
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-20 to +71°C, 20 - 90%RH (Non condensing) 3.000m (10,000feet) max								
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75°C, 20 - 90%RH (Non condensing) 3.000m (10,000feet) max								
	VIBRATION		19.6m/s² (2G), 10 - 55Hz, 3minutes period, 60minutes each along X, Y and Z axis								
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN (At only AC input)								
	CONDUCTED NOISE		Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B, additional noise filter required for meeting class B.								
	CE MARKING		Low Voltage Directive, EMC Directive								
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2								
OTHERS	CASE SIZE/WEIGHT		178×61×268mm (without terminal block and screw) (W×H×D) /3.4kg max								
	COOLING METHOD		Forced cooling (internal fan)								

- *1 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 22μF 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.
- * A sound may occur from power supply at pulse loading.