

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

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
	ACIN 200V *3	3.3V 300A	5V 300A	7.5V 200A	12V 125A	15V 100A	24V70(105)A	36V 47(70)A	48V 35A

SPECIFICATIONS

	MODEL	PBA1500F-3R3	PBA1500F-5	PBA1500F-7R5	PBA1500F-12	PBA1500F-15	PBA1500F-24	PBA1500F-36	PBA1500F-48	
INPUT	VOLTAGE[V]	AC85 - 264 1φ (rated input : AC100/230) or DC120 - 370								
	CURRENT[A]	ACIN 100V	15typ	19typ						
		ACIN 200V	8typ	10typ						
	FREQUENCY[Hz]	50/60 (47 - 63)								
	EFFICIENCY[%]	ACIN 100V	72typ	77typ	77typ	80typ	82typ	82typ	82typ	82typ
		ACIN 200V	75typ	81typ	81typ	82typ	86typ	86typ	86typ	86typ
	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)								
	ACIN 200V	40/40typ (Io=100%) (Primary inrush current /Secondary inrush current)								
LEAKAGE CURRENT[mA]	1.5max (60Hz, According to IEC60950)									
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	80max	100max	150max	200max	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 0°C *1	60max	75max	120max	180max	180max	290max	440max	600max
	DRIFT[mV]	*2	12max	20max	30max	48max	60max	96max	144max	192max
	START-UP TIME[ms]	*4	600typ(ACIN 100V, Io=100%) / 400typ(ACIN 200V, Io=100%)							
HOLD-UP TIME[ms]		20typ (Io=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 - 56.00	
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION	Works over 105% of rated current or 101% of peak current and recovers automatically *6								
	OVERVOLTAGE PROTECTION[V] *5	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								
ISOLATION	REMOTE ON/OFF	Provided								
	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)								
ENVIRONMENT	OUTPUT-RC · AUX	AC100V 1minute, Cutoff current = 100mA, DC100V 50MΩmin (At Room Temperature)								
	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/s ² (2G), 10 - 55Hz, 3minutes period, 60minutes each along X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis								
	AGENCY APPROVALS	UL60950, C-UL(CSA60950), EN60950, EN50178 Complies with DEN-AN (At only AC input)								
	CONDUCTED NOISE	Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55022-B, additional noise filter required for meeting class B.								
	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).
 *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 100ms. And Duty 35% max, refer to Instruction manual in detail.
 *4 Start-up time is 500ms typ for less than 1minute of applying input again from turning off the input voltage.
 *5 Overvoltage protection circuit to follow to output voltage setting.
 *6 The output voltage is shutted down when the overcurrent protection circuit operates continuously for about 5 sec.