

\*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

# **SPECIFICATIONS**

	MODEL		PJA1500F-24	PJA1500F-48	
INPUT	VOLTAGE[V]		AC85 - 264 1 ¢ (Output derating is required at AC85V - 115V. See 1.1 and 3.2 in Instruction Manual)		
		ACIN 100V	/ 18typ (lo=90%)		
	CURRENT[A]	ACIN 115V			
		ACIN 230V	8typ (lo=100%)		
	FREQUENCY[Hz]		50 / 60 (47 - 63)		
		ACIN 100V	84typ (lo=90%)	84typ (Io=90%)	
	EFFICIENCY[%]	ACIN 115V	85typ (lo=100%)	84typ (lo=100%)	
		ACIN 230V	88typ (lo=100%)	87typ (lo=100%)	
	POWER FACTOR	ACIN 100V	0.98typ (Io=90%)	·	
		ACIN 115V	0.98typ (lo=100%)		
		ACIN 230V	0.95typ (lo=100%)		
	INRUSH CURRENT[A]	ACIN 100V	15/30typ (Io=90%) (Primary inrush current /Secondary inrush current) (More than 10sec to re-start)		
		ACIN 115V	15/30typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10sec to re-start)		
		ACIN 230V	30/30typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 10sec to re-start)		
	LEAKAGE CURRENT[mA]		1.5max (ACIN 240V, 60Hz, Io=100%, According to IEC62368-1 and DEN-AN)		
	VOLTAGE[V]		24	48	
	CURRENT[A] WATTAGE[W]	ACIN 85-115V	Output derating is required at ACIN 115V or less (refer	to instruction manual 3.2)	
		ACIN 115V-264V	64	32	
		ACIN 85-115V	Output derating is required at ACIN 115V or less (refer	to instruction manual 3.2)	
		ACIN 115V-264V	1536	1536	
	LINE REGULATION[mV] *2		96max	192max	
ουτρυτ	LOAD REGULATION[mV] *2		150max	300max	
	RIPPLE[mVp-p]	0 to +50°C	120max	200max	
		-20 to 0°C	160max	500max	
	RIPPLE NOISE[mVp-p] *1 TEMPERATURE REGULATION[mV]	0 to +50°C	150max	300max	
		-20 to 0°C	270max	600max	
		0 to +50℃	240max	480max	
		-20 to +50°C	290max	600max	
	DRIFT[mV] *3		96max	192max	
	START-UP TIME[ms]		800typ (ACIN 115V, Io=100%)		
	HOLD-UP TIME[ms]		20typ (ACIN 115V, Io=100%)		
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		20.40 to 28.50	40.80 to 55.20	
	OUTPUT VOLTAGE SETTING[V]		24.00 to 24.96	48.00 to 49.92	
PROTECTION	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically		
CIRCUIT AND	OVERVOLTAGE PROTECTION[V]		28.80 to 34.80	57.00 to 67.20	
OTHERS	OPERATING INDICATION		LED (Green)		
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At room temperature)		
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 25mA, DC500V 50M $\Omega$ min (At room temperature)		
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At room temperature)		
	OPERATING TEMP., HUMID. AND ALTITUDE *4		-20 to +70°C (Output derating is required), 20 - 90%RH (Non condensing), 3,000m (10,000 feet) max		
	STORAGE TEMP., HUMID.AND ALTITUDE		-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000 feet) max		
ENVIRONMENT	VIBRATION		10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axes		
	ІМРАСТ		196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axes		
SAFETY AND	AGENCY APPROVALS		UL62368-1, C-UL (CSA62368-1), EN62368-1, Complies with DEN-AN		
NOISE	CONDUCTED NOISE		Complies with FCC-A, VCCI-A, CISPR22-A, EN55011-A, EN55022-A, additional EMI/EMC Filter required for meeting class B		
	HARMONIC ATTENUATOR *5				



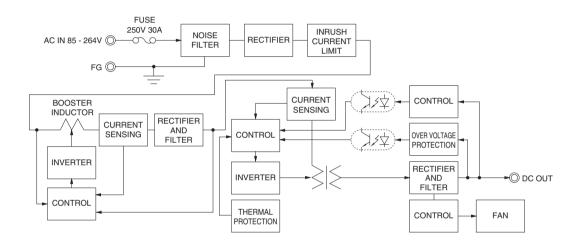
## **SPECIFICATIONS**

OTHERS	CASE SIZE/WEIGHT	178×61×268mm [7.01×2.40×10.55 inches] (Excluding terminal block and screw) (W×H×D) / 3.5kg max		
OTHERS	COOLING METHOD *6	Forced cooling (internal fan)		
WARRANTY	WARRANTY *7	7 5 years (subject to the operating conditions)		
22 µ F and MHz oscillo RM103. See 1.6 of I	esult of measurement of the testing board with 0.1 µ F placed at 150 mm from the output term scope or a ripple-noise meter equivalent to Kei nstruction Manual for more details. about dynamic load and input response.	ninals by a 20 warm-up at 25°C. input voltage ranges. Otherwise the internal components may be damaged.		

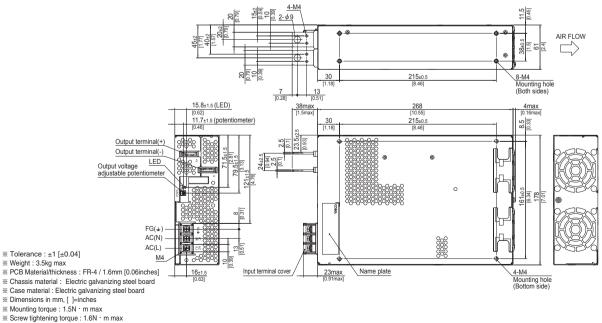
#### **Features**

- · Cost-effective
- · Longer life (see Instruction Manual)
- · Low profile (meets 2U height = 61 mm or 2.4 inches)
- · Wide operating temperature range (-20°C to +70°C see instruction manual)
- · Stop or slow fan speed at no load

### **Block diagram**



#### **External view**



Output terminal M4 tightening torque : 1.2N · m max
 Connect the input FG to safety earth ground.