

PJB (24 V)



- Power Boost of 200% for 10 seconds
- High PF > 0.97
- Low Inrush Current / Low Leakage Current
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Design compliant with Japan PSE (DENAN) for 150 W - 300 W

Applications



Factory
Automation



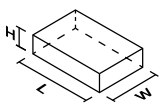
Machine
Automation



Test &
Measurement

Output		PJB-24V100W□□□□	PJB-24V150W□□□□	PJB-24V240W□□□□	PJB-24V300W□□□□
Output Voltage		24 V	24 V	24 V	24 V
Output Voltage Range		21.6-26.4 V	21.6-26.4 V	21.6-26.4 V	21.6-26.4 V
Output Current		4.3 A (8.6 A for 10 s)	6.3 A (12.6 A for 10 s)	10.0 A (20.0 A for 10 s)	12.5 A (22.5 A for 10 s)
Output Power		103.2 W (206.4 W for 10 s)	151.2 W (302.4 W for 10 s)	240 W (480 W for 10 s)	300 W (600 W for 10 s)
PARD (20MHz)		< 150 mVpp			
Hold-up Time	100 V _{AC}	20ms typ.			
Input					
Phase Input		Single Phase			
Input Voltage Range		85-264 V _{AC}			
Input Frequency		47-63 Hz			
Input Current	100 V _{AC}	1.30 A typ.	1.90 A typ.	2.80 A typ.	4.10 A typ.
	200 V _{AC}	0.65 A typ.	0.95 A typ.	1.50 A typ.	2.00 A typ.
Efficiency ¹⁾ at 100% Load	100 V _{AC}	86.5% typ.	88.0% typ.	91.0% typ.	
	200 V _{AC}	89.0% typ.	90.5% typ.	92.5% typ.	93.5% typ.
Max Inrush Current (Cold Start)	100 V _{AC}	15 A typ.			
	200 V _{AC}	30 A typ.			
Power Factor	100 V _{AC}	0.98 typ.			0.99 typ.
	200 V _{AC}	0.97 typ.	0.95 typ.	0.97 typ.	0.95 typ.
Leakage Current	100 V _{AC}	< 0.2 mA			
	240 V _{AC}	< 0.4 mA			
Mechanical					
Case Cover / Chassis		SGCC			
Dimensions ²⁾ (L × W × H)	mm	155 × 62 × 33.5	160 × 75 × 37	180 × 84 × 42	222 × 95 × 53.6
	inch	6.10 × 2.44 × 1.32	6.30 × 2.95 × 1.46	7.09 × 3.31 × 1.65	8.74 × 3.74 × 2.11
Unit Weight ²⁾	kg	0.26	0.31	0.44	0.64
	lb	0.57	0.68	0.97	1.41
Cooling System		Convection			
MTBF ³⁾		> 200,000 hrs			
Environment					
Operating Temperature ⁴⁾		-10°C to +70°C			
Storage Temperature		-25°C to +75°C		-25°C to +80°C	
Operating Humidity		5 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		ITE Application: 0 to 5,000 m (0 to 16,400 ft)	0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes

- 1) At 25°C ambient temperature.
- 2) Open Frame (without chassis and cover).
- 3) MTBF as per JEITA RCR-9102B.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.