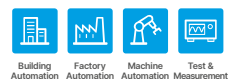




PJ (5V, 12V)

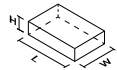
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors

Applications



Output		PJ-5V15W□□A		PJ-12V15W□□A		PJ-12V30W□□A		PJ-12V50W□□A		PJ-12V100W□□A		PJ-12V150W□□A	
Output Voltage		5V		12V		12V		12V		12V		12V	
Output Voltage Range		4.50~5.50V		10.8~13.2V		10.8~13.2V		10.8~13.2V		10.8~13.2V		10.8~13.2V	
Output Current		3.0A		1.3A		2.5A		4.3A		8.5A		12.5A	
Output Power		15W		15.6W		30W		51.6W		102W		150W	
PARD (20MHz)		< 120mVpp				< 150mVpp				< 150mVpp		< 150mVpp	
Hold-up Time	100V _{AC}			20ms typ.						20ms typ.			
Input													
Phase Input				Single Phase						Single Phase			
Input Voltage Range				85~264V _{AC}						85~264V _{AC}			
Input Frequency				47~63Hz						47~63Hz			
Input Current	100V _{AC}	0.35A typ.		0.35A typ.		0.65A typ.		0.65A typ.		1.30A typ.		1.90A typ.	
	200V _{AC}	0.20A typ.		0.20A typ.		0.35A typ.		0.35A typ.		0.65A typ.		0.95A typ.	
Efficiency ¹⁾ at 100% Load	100V _{AC}	78.0% typ.		81.0% typ.		83.0% typ.		83.0% typ.		85.0% typ.		88.0% typ.	
	200V _{AC}	79.5% typ.		82.5% typ.		85.0% typ.		85.0% typ.		87.5% typ.		91.0% typ.	
Max Inrush Current (Cold Start)	100V _{AC}			15A typ.						15A typ.			
	200V _{AC}			30A typ.						30A typ.			
Power Factor	100V _{AC}			Conform to EN 61000-3-2		0.98 typ.						0.99 typ.	
	200V _{AC}					0.97 typ.				0.98 typ.		0.97 typ.	
Leakage Current	100V _{AC}			< 0.1mA		< 0.1mA						< 0.2mA	
	240V _{AC}			< 0.2mA		< 0.2mA						< 0.4mA	
Mechanical													
Case Cover / Chassis				SGCC						SGCC			
Dimensions ²⁾ (L × W × H)	mm	87.5 × 50 × 22		87.5 × 50 × 22		105 × 50 × 25.6		132 × 50 × 26.6		155 × 62 × 33.5		160 × 75 × 37	
	inch	3.44 × 1.97 × 0.87		3.44 × 1.97 × 0.87		4.13 × 1.97 × 1.01		5.20 × 1.97 × 1.05		6.10 × 2.44 × 1.32		6.30 × 2.95 × 1.46	
Unit Weight ²⁾	kg	0.06		0.06		0.11		0.16		0.26		0.30	
	lb	0.13		0.13		0.24		0.35		0.57		0.66	
Cooling System				Convection						Convection			
MTBF ³⁾				> 200,000 hrs						> 200,000 hrs			
Environment													
Operating Temperature ⁴⁾				-10°C to +70°C						-10°C to +70°C			
Storage Temperature				-25°C to +75°C						-25°C to +75°C			
Operating Humidity				5 to 95% RH (Non-Condensing)						5 to 95% RH (Non-Condensing)			
Operating Altitude				0 to 5,000m (0 to 16,400ft)						0 to 5,000m (0 to 16,400ft)			

Dimensions Reference



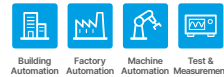
Notes

- 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.

PJ (24 V, 48 V)

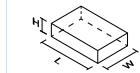
- High PF > 0.97 (for 50 W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50 W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors

Applications



Output		PJ-24V30W□□□A		PJ-24V50W□□□A		PJ-24V100W□□□A		PJ-24V150W□□□A		PJ-48V50W□□□A	
Output Voltage		24 V		24 V		24 V		24 V		48 V	
Output Voltage Range		21.6-26.4 V		21.6-26.4 V		21.6-26.4 V		21.6-26.4 V		43.2-52.8 V	
Output Current		1.3 A		2.1 A		4.3 A		6.3 A		1.1 A	
Output Power		31.2 W		50.4 W		103.2 W		150 W		52.8 W	
PARD (20 MHz)				< 150 mVpp				< 150 mVpp		< 250 mVpp	
Hold-up Time	100 V _{AC}			20 ms typ.				20 ms typ.			
Input											
Phase Input		Single Phase						Single Phase			
Input Voltage Range		85-264 V _{AC}						85-264 V _{AC}			
Input Frequency		47-63 Hz						47-63 Hz			
Input Current	100 V _{AC}	0.65 A typ.		0.65 A typ.		1.30 A typ.		1.90 A typ.		0.65 A typ.	
	200 V _{AC}	0.35 A typ.		0.35 A typ.		0.65 A typ.		0.95 A typ.		0.35 A typ.	
Efficiency ¹⁾ at 100% Load	100 V _{AC}	85.0% typ.		84.5% typ.		86.0% typ.		88.0% typ.		83.0% typ.	
	200 V _{AC}	86.0% typ.		87.0% typ.		89.0% typ.		91.0% typ.		85.0% typ.	
Max Inrush Current (Cold Start)	100 V _{AC}	15 A typ.						15 A typ.			
	200 V _{AC}	30 A typ.						30 A typ.			
Power Factor	100 V _{AC}	Conform to EN 61000-3-2		0.98 typ.				0.99 typ.		0.98 typ.	
	0.97 typ.			0.98 typ.		0.97 typ.					
Leakage Current	100 V _{AC}			< 0.1 mA				< 0.2 mA		< 0.1 mA	
	240 V _{AC}			< 0.2 mA				< 0.4 mA		< 0.2 mA	
Mechanical											
Case Cover / Chassis		SGCC						SGCC			
Dimensions ²⁾ (L × W × H)	mm	105 × 50 × 25.6		132 × 50 × 26.6		155 × 62 × 33.5		160 × 75 × 37		132 × 50 × 26.6	
	inch	4.13 × 1.97 × 1.01		5.20 × 1.97 × 1.05		6.10 × 2.44 × 1.32		6.30 × 2.95 × 1.46		5.20 × 1.97 × 1.05	
	kg	0.11		0.16		0.26		0.29		0.16	
Unit Weight ²⁾	lb	0.24		0.35		0.57		0.64		0.35	
Cooling System		Convection						Convection			
MTBF ³⁾		> 200,000 hrs						> 200,000 hrs			
Environment											
Operating Temperature ⁴⁾		-10°C to +70°C						-10°C to +70°C			
Storage Temperature		-25°C to +75°C						-25°C to +75°C			
Operating Humidity		5 to 95% RH (Non-Condensing)						5 to 95% RH (Non-Condensing)			
Operating Altitude		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 JCR-9102B.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.