

## PJ

### Features

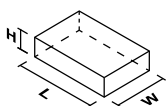
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1



### Specifications

OUTPUT		PJ-12V15W□□A	PJ-12V30W□□A	PJ-12V50W□□A	PJ-12V100W□□A	PJ-12V150W□□A
Output Voltage		12V	12V	12V	12V	12V
Output Voltage Range		10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V
Output Current		1.3A	2.5A	4.3A	8.5A	12.5A
Output Power		15.6W	30W	51.6W	102W	150W
PARD (20MHz)		< 150mVpp				
Hold-up Time	100Vac	20ms typ.	20ms typ.	20ms typ.	20ms typ.	20ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-264Vac				
Input Frequency		47-63Hz				
Input Current	100Vac	0.35A typ.	0.65A typ.	0.65A typ.	1.30A typ.	1.90A typ.
	200Vac	0.20A typ.	0.35A typ.	0.35A typ.	0.65A typ.	0.95A typ.
Efficiency <sup>1)</sup> at 100% Load	100Vac	81.0% typ.	83.0% typ.	83.0% typ.	85.0% typ.	88.0% typ.
	200Vac	82.5% typ.	85.0% typ.	85.0% typ.	87.5% typ.	91.0% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.	15A typ.	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.	30A typ.	30A typ.	30A typ.
Power Factor	100Vac	Conform to EN 61000-3-2		0.98 typ.	0.99 typ.	0.99 typ.
	200Vac			0.97 typ.	0.98 typ.	0.97 typ.
Leakage Current	100Vac	< 0.1mA	< 0.1mA	< 0.1mA	< 0.2mA	< 0.2mA
	240Vac	< 0.2mA	< 0.2mA	< 0.2mA	< 0.4mA	< 0.4mA
MECHANICAL						
Case Cover / Chassis		SGCC				
Dimensions <sup>2)</sup> (L × W × H)	mm	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	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 <sup>2)</sup>	kg	0.06	0.11	0.16	0.26	0.30
	lb	0.13	0.24	0.35	0.57	0.66
Cooling System		Convection				
MTBF <sup>3)</sup>		> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT						
Operating Temperature <sup>4)</sup>		-10°C to +70°C				
Storage Temperature		-25°C to +75°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		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.

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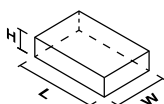
- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Comforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame,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

OUTPUT		PJ-24V30W□□A	PJ-24V50W□□A	PJ-24V100W□□A	PJ-24V150W□□A
Output Voltage		24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current		1.3A	2.1A	4.3A	6.3A
Output Power		31.2W	50.4W	103.2W	150W
PARD (20MHz)		< 150mVpp			
Hold-up Time	100Vac	20ms typ.	20ms typ.	20ms typ.	20ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac			
Input Frequency		47-63Hz			
Input Current	100Vac	0.65A typ.	0.65A typ.	1.30A typ.	1.90A typ.
	200Vac	0.35A typ.	0.35A typ.	0.65A typ.	0.95A typ.
Efficiency <sup>1)</sup> at 100% Load	100Vac	85.0% typ.	84.5% typ.	86.0% typ.	88.0% typ.
	200Vac	86.0% typ.	87.0% typ.	89.0% typ.	91.0% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.	30A typ.	30A typ.
Power Factor	100Vac	Conform to EN 61000-3-2	0.98 typ.	0.99 typ.	0.99 typ.
	200Vac		0.97 typ.	0.98 typ.	0.97 typ.
Leakage Current	100Vac	< 0.1mA	< 0.1mA	< 0.2mA	< 0.2mA
	240Vac	< 0.2mA	< 0.2mA	< 0.4mA	< 0.4mA
MECHANICAL					
Case Cover / Chassis		SGCC			
Dimensions <sup>2)</sup> (L × W × H)	mm	105 × 50 × 25.6	132 × 50 × 26.6	155 × 62 × 33.5	160 × 75 × 37
	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
Unit Weight <sup>2)</sup>	kg	0.11	0.16	0.26	0.29
	lb	0.24	0.35	0.57	0.64
Cooling System		Convection			
MTBF <sup>3)</sup>		> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT					
Operating Temperature <sup>4)</sup>		-10°C to +70°C			
Storage Temperature		-25°C to +75°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

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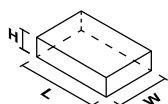


- High PF > 0.97 (for 50W)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
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### Specifications

OUTPUT		PJ-5V15W□□A	PJ-48V50W□□A
Output Voltage		5V	48V
Output Voltage Range		4.50-5.50V	43.2-52.8V
Output Current		3.0A	1.1A
Output Power		15W	52.8W
PARV (20MHz)		< 120mVpp	< 250mVpp
Hold-up Time	100Vac	20ms typ.	20ms typ.
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac	
Input Frequency		47-63Hz	
Input Current	100Vac	0.35A typ.	0.65A typ.
	200Vac	0.20A typ.	0.35A typ.
Efficiency <sup>1)</sup> at 100% Load	100Vac	78.0% typ.	83.0% typ.
	200Vac	79.5% typ.	85.0% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.
Power Factor	100Vac	Conform to EN 61000-3-2	
	200Vac		
Leakage Current	100Vac	< 0.1mA	< 0.1mA
	240Vac	< 0.2mA	< 0.2mA
MECHANICAL			
Case Cover / Chassis		SGCC	
Dimensions <sup>2)</sup> (L × W × H)	mm	87.5 × 50 × 22	132 × 50 × 26.6
	inch	3.44 × 1.97 × 0.87	5.20 × 1.97 × 1.05
Unit Weight <sup>2)</sup>	kg	0.06	0.16
	lb	0.13	0.35
Cooling System		Convection	
MTBF <sup>3)</sup>		> 200,000 hrs	> 200,000 hrs
ENVIRONMENT			
Operating Temperature <sup>4)</sup>		-10°C to +70°C	
Storage Temperature		-25°C to +75°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

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#### Notes

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