

PJU (13.8 V, 27.6 V)



- Zero switch over time from loss of AC to battery operation
- Protection against reverse polarity battery connection
- Built-in diagnostic monitoring for AC OK and Battery Low status
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Built-in over current and short circuit protection in Buffering (battery discharging) mode operation

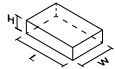
Applications



Building Automation

Output		PJU-13V60W□□□	PJU-13V60W□B□	PJU-27V60W□□□	PJU-27V60W□B□
Output Voltage		V1: 13.8 V, B+: 13.6 V	V1: 13.8 V, B+: 13.6 V	V1: 27.6 V, B+: 27.4 V	V1: 27.6 V, B+: 27.4 V
Output Voltage Range		V1: 13.52-14.00 V	V1: 13.52-14.00 V	V1: 27.04-28.00 V	V1: 27.04-28.00 V
Output Current		V1: 3.9 A, B+: 0.4 A	V1: 3.9 A, B+: 0.4 A	V1: 1.75 A, B+: 0.4 A	V1: 1.75 A, B+: 0.4 A
Output Power		60 W	60 W	60 W	60 W
PARD (20 MHz)		< 100 mVpp			
Hold-up Time (100% Load)	115 V _{AC}	> 10 ms	> 10 ms	> 10 ms	> 10 ms
Input					
Phase Input		Single Phase			
Input Voltage Range		90-264 V _{AC}			
Input Frequency		47-63 Hz			
Input Current	115 V _{AC}	< 1.2 A	< 1.2 A	< 1.2 A	< 1.2 A
	230 V _{AC}	< 0.8 A	< 0.8 A	< 0.8 A	< 0.8 A
Efficiency ¹⁾ at 100% Load	115 V _{AC}	> 85.0%		> 88.0%	
	230 V _{AC}	> 86.0%		> 89.0%	
Max Inrush Current (Cold Start)	115 V _{AC}	< 60 A			
	230 V _{AC}				
Power Factor		Conform to EN 61000-3-2			
Leakage Current (264 V _{AC})	TT/TN	< 0.5 mA			
	IT	< 1.0 mA			
Mechanical					
Case Cover / Chassis		SECC Steel			
Dimensions ²⁾ (L × W × H)	mm	101.6 × 50.8 × 30.6	101.6 × 50.8 × 30.6	101.6 × 50.8 × 30.6	101.6 × 50.8 × 30.6
	inch	4.00 × 2.00 × 1.20	4.00 × 2.00 × 1.20	4.00 × 2.00 × 1.20	4.00 × 2.00 × 1.20
Unit Weight ²⁾	kg	0.12	0.12	0.12	0.12
	lb	0.26	0.26	0.26	0.26
Cooling System		Convection			
MTBF ³⁾		> 350,000 hrs			
Environment					
Operating Temperature ⁴⁾		-20°C to +70°C			
Storage Temperature		-40°C to +85°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 Telcordia SR-332 (I/P: 115 V_{AC} & 230 V_{AC}, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJL (48 V)



- Lighting approvals to UL 8750, IEC 61347-2-13
- Low inrush current < 20 A
- Up to 90.0% efficiency
- Low earth leakage current < 500 μA
- Extreme low temperature operation at -40°C

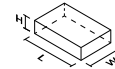
Applications



LED Lighting

Output		PJL-48V200WBAA	PJL-48V400WBAA	PJL-48V600WLAA
Output Voltage		48V	48V	48 V
Output Voltage Range		48-50 Vdc	48-50 Vdc	48-50 Vdc
Output Current		0-4.17 A	0-8.33 A	0-12.5 A
Output Power		150 W (Convection) 200 W (with 400 LFM Forced Air)	200 W (Convection) 400 W (with 400 LFM Forced Air)	300 W (Convection) 600 W (with 600 LFM Forced Air)
PARD (20 MHz) ¹⁾		< 480 mVpp		< 880 mVpp
Hold-up Time (100% Load)	115 V _{AC}	> 5 ms		> 16 ms
	230 V _{AC}			
Input				
Phase Input		Single Phase		
Input Voltage Range		85-305 V _{AC}		
Input Frequency		47-63 Hz		
Input Current	115 V _{AC}	< 2.20 A	< 4.74 A	< 6.5 A
Efficiency at 100% Load ²⁾	230 V _{AC}	> 85.0%		> 87.5%
	230 V _{AC}	> 90.0%		
Max Inrush Current (Cold Start)	230 V _{AC}	< 20 A		< 12 A
Power Factor	115 V _{AC}	> 0.95		
	230 V _{AC}			
Leakage Current		< 500 μA		
Mechanical				
Case Cover / Chassis		-		
Dimensions (L x W x H)	mm	127.6 × 76.2 × 34.8	127 × 76.6 × 40.8	177.8 × 101.6 × 41.0
	inch	5.02 × 3.00 × 1.38	5.00 × 3.02 × 1.61	7.00 × 4.00 × 1.61
Unit Weight	kg	0.42	0.44	0.82
	lb	0.93	0.97	1.80
Cooling System		Convection / Forced Air		
MTBF ³⁾		> 500,000 hrs		
Environment				
Operating Temperature ⁴⁾		-40°C to +70°C		-40°C to +80°C
Storage Temperature		-40°C to +85°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) PARD is measured with an AC coupling mode, 5 cm wires, and in parallel with 0.1 μF ceramic capacitor & 47 μF electrolytic capacitor.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115 V_{AC}, O/P: 100% load).
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.