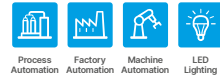


PMF (4.2V, 5V, 24V)



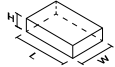
- Built-in active PFC and automatic fan speed control
- Full corrosion resistant aluminium casing
- Remote ON/OFF is available as an option
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections

Applications



Output		PMF-4V320WC□□	PMF-5V320WC□□	PMF-24V240WC□□	PMF-24V320WC□□
Output Voltage		4.2 V	5V	24 V	24V
Output Voltage Range		3.78-4.62 V	4.50-5.50 V	21.6-26.4 V	21.6-26.4 V
Output Current		55.0 A	55.0 A	10.0 A	13.3 A
Output Power		231W	275 W	240 W	320W
PARD (20MHz)		< 150 mVpp			
Hold-up Time	115 V _{AC} 230 V _{AC}	16 ms typ.		20 ms typ.	
Input					
Phase Input		Single Phase			
Input Voltage Range		85-264 V _{AC}			
Input Frequency		47-63Hz			
Input Current	115 V _{AC} 230 V _{AC}	5.0 A typ. 2.5 A typ.	5.0 A typ. 2.5 A typ.	3.6 A typ. 1.8 A typ.	5.0 A typ. 2.5 A typ.
Efficiency ¹⁾ at 100% Load	230 V _{AC}	76.5% typ.	78.5% typ.	87.0% typ.	
Max Inrush Current (Cold Start)	115 V _{AC} 230 V _{AC}	20 A typ. 40 A typ.	30 A typ. 50 A typ.	35 A typ. 60 A typ.	20 A typ. 40 A typ.
Power Factor	115 V _{AC} 230 V _{AC}	0.97 typ. 0.94 typ.	0.98 typ. 0.95 typ.	0.99 typ. 0.95 typ.	0.98 typ. 0.95 typ.
Leakage Current	240 V _{AC}	< 1 mA		< 0.6 mA	< 1 mA
Mechanical					
Case Cover / Chassis		Aluminium			
Dimensions (L × W × H)	mm inch	215 × 115 × 50 8.46 × 4.53 × 1.97	215 × 115 × 50 8.46 × 4.53 × 1.97	190 × 93 × 50 7.48 × 3.66 × 1.97	215 × 115 × 50 8.46 × 4.53 × 1.97
Unit Weight	kg lb	0.86 1.90	0.86 1.90	0.66 1.46	0.84 1.85
Cooling System	Forced Air (Built-in Fan)				
MTBF ²⁾	> 700,000hrs				
Environment					
Operating Temperature ³⁾		-10°C to +70°C			
Storage Temperature		-20°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000m (0 to 16,400ft)			

Dimensions Reference



Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100V_{AC}, O/P: 100% load, Ta: 35°C). MTBF calculations do not include fan life time.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMU (13.8V, 27.6V)



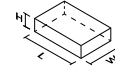
- AC input voltage range selectable by switch
- LED indicators for DC OK (Green) and Battery Reverse Polarity Connection (Red)
- Zero switch over time from loss of AC to battery operation
- Monitoring signals for AC OK, DC OK and Battery Low indication
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections

Applications



Output	PMU-13V155W□□BA		PMU-13V155W□□CA		PMU-27V155W□□BA		PMU-27V155W□□CA	
Output Voltage	V1: 13.8V, B+: 13.3V		V1: 13.8V, B+: 13.3V		V1: 27.6V, B+: 27.1V		V1: 27.6V, B+: 27.1V	
Output Voltage Range	12-14V		12-14V		24-28V		24-28V	
Output Current	V1: 9.5A (0-11.0A) B+: 1.5A (0.5-1.5A)		V1: 9.5A (0-11.0A) B+: 1.5A (0.5-1.5A)		PMU-27V155WCB V1: 4.0A (0-5.5A) B+: 1.5A (0.5-1.5A) PMU-27V155WLB V1: 4.3A (0-5.5A) B+: 1.2A (0.50-1.2A)		PMU-27V155WCCA V1: 4.0A (0-5.5A) B+: 1.5A (0.5-1.5A) PMU-27V155WCA V1: 4.3A (0-5.5A) B+: 1.2A (0.50-1.2A)	
Output Power	151W		151W		151W		151W	
PARD (20MHz)	< 150mVpp @ 0°C to -20°C, < 100mVpp @ > 0°C to 70°C							
Hold-up Time	20ms without Battery at B+							
Input								
Phase Input		Single Phase						
Input Voltage Range		90-132V _{AC} , 180-264V _{AC} (Selectable by Switch)						
Input Frequency		47-63Hz						
Input Current	115V _{AC}	< 2.5A	< 2.5A	< 2.5A	< 2.5A			
	230V _{AC}	< 1.5A	< 1.5A	< 1.5A	< 1.5A			
Efficiency ¹⁾ at 100% Load	115V _{AC}	> 85.0%	> 85.0%	> 85.0%	> 88.0%			
	230V _{AC}	> 86.0%	> 86.0%	> 86.0%	> 89.0%			
Max Inrush Current (Cold Start)	115V _{AC}	< 25A						
	230V _{AC}							
Power Factor	Conform to EN 61000-3-2							
Leakage Current	264V _{AC}	< 0.5mA						
Mechanical								
Case Cover / Chassis		SGCC / Aluminium						
Dimensions (L × W × H)	mm	178 × 97 × 38	178 × 97 × 38	178 × 97 × 38	178 × 97 × 38			
	inch	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50			
	kg	0.59	0.60	0.59	0.60			
Unit Weight	lb	1.30	1.32	1.30	1.32			
Cooling System	Convection							
MTBF ²⁾	> 700,000hrs							
Environment								
Operating Temperature ³⁾	-20°C to +70°C							
Storage Temperature	-40°C to +85°C							
Operating Humidity	5 to 95% RH (Non-Condensing)							
Operating Altitude	0 to 5,000m (0 to 16,400ft)							

Dimensions Reference



Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115V_{AC}, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.