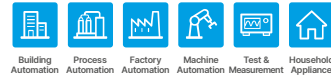


PMT2 (Dual)

- Isolated & non-isolated Output & Ground for CH1 & CH2
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30 mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C

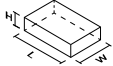


Applications



Output		PMT-D1V75W2□A		PMT-D2V75W2□A	
Output Voltage		V1: 5V, V2: 12V		V1: 5V, V2: 24V	
Output Voltage Range		V1: Fixed, V2: 10.8-13.2V		V1: Fixed, V2: 21.6-26.4V	
Output Current		V1: 0-5.0A, V2: 0.3-4.0A		V1: 0-5.0A, V2: 0.2-2.1A	
Output Power		73W		75.4W	
PARD (20MHz)		V1: < 100mVpp, V2: < 120mVpp @ 0°C to 70°C V1: 300mVpp, V2: 360mVpp typ. @ -30°C to 0°C		V1: < 100mVpp, V2: < 150mVpp @ 0°C to 70°C V1: 300mVpp, V2: 450mVpp typ @ -30°C to 0°C	
Hold-up Time	115V _{AC}	10ms typ.			
	230V _{AC}	50ms typ.			
Input					
Phase Input		Single Phase			
Input Voltage Range		90-264V _{AC}			
Input Frequency		47-63Hz			
Input Current	115V _{AC}	1.4A typ.		1.4A typ.	
	230V _{AC}	0.85A typ.		0.85A typ.	
Efficiency ¹⁾ at 100% Load	230V _{AC}	83.0% typ.		85.0% typ.	
Max Inrush Current (Cold Start)	230V _{AC}	55A typ.			
Power Factor		NA			
Leakage Current (50 Hz)	240V _{AC}	< 0.5mA			
Mechanical					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	129 × 97 × 30		129 × 97 × 30	
	inch	5.08 × 3.82 × 1.18		5.08 × 3.82 × 1.18	
Unit Weight	kg	0.28		0.28	
	lb	0.61		0.61	
Cooling System		Convection			
MTBF ²⁾		> 700,000hrs			
Environment					
Operating Temperature ³⁾		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000m (0 to 16,400ft)			

Dimensions Reference



Notes

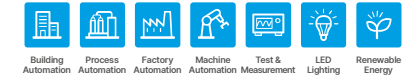
- 1) At 25°C ambient temperature by horizontal mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230V_{AC}, O/P: 100% load).
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC (5V, 12V)

- Power will not de-rate for the entire input voltage range (except 600W)
- Full corrosion resistant aluminium casing (PMC-12V150W1B□)
- High MTBF > 700,000 hrs per Telcordia SR-332
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections

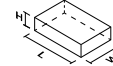


Applications



Output		PMC-05V015W1AA		PMC-12V150W1B□		PMC-12V600W1BA	
Output Voltage		5V		12V		12V	
Output Voltage Range		4.75-5.50V		11-14V		10.8-13.2V	
Output Current		0-3.0A		0-12.5A		0-50A	
Output Power		15W		150W		600W	
PARD (20MHz)		< 70mVpp		< 100mVpp		< 240mVpp	
Hold-up Time	115V _{AC}	> 15 ms		> 30 ms		> 20 ms	
	230V _{AC}	> 80 ms					
Input							
Phase Input		Single Phase					
Input Voltage Range		85-264 V _{AC} (DC input range 125-375 V _{DC}) ¹⁾					85-264 V _{AC} (DC input range 120-375 V _{DC}) ¹⁾
Input Frequency		47-63Hz					
Input Current	115V _{AC}	< 0.40A		< 1.70A		< 6.5A	
	230V _{AC}	< 0.22A		< 1.00A		< 3.2A	
Efficiency ²⁾ at 100% Load	115V _{AC}	> 80.0%		> 87.0%		> 85.5%	
	230V _{AC}			> 88.0%		> 89.0%	
Max Inrush Current (Cold Start)	115V _{AC}	< 30A		< 60A		< 10A	
	230V _{AC}	< 65A		< 120A		< 20A	
Power Factor	115V _{AC}	Conform to EN 61000-3-2		> 0.99		> 0.98	
	230V _{AC}			> 0.90		> 0.95	
Leakage Current	240V _{AC}			< 1mA		-	
	264V _{AC}			-		< 1.5mA	
Mechanical							
Case Cover / Chassis		SECC Steel		Aluminium		SECC Steel	
Dimensions (L × W × H)	mm	77 × 51 × 28		178 × 97 × 38		215 × 120 × 61	
	inch	3.03 × 2.01 × 1.10		7.01 × 3.82 × 1.50		8.46 × 4.72 × 2.40	
Unit Weight	kg	0.16		0.54		1.51	
	lb	0.35		1.19		3.33	
Cooling System		Convection				Forced Air (Built-in Fan)	
MTBF ³⁾		> 700,000hrs					
Environment							
Operating Temperature ⁴⁾		-10°C to +70°C		-10°C to +70°C		-20°C to +70°C	
Storage Temperature		-25°C to +85°C				-40°C to +75°C	
Operating Humidity		5 to 95% RH (Non-Condensing)					
Operating Altitude		0 to 3,000m (0 to 9,840 ft)					

Dimensions Reference



Notes

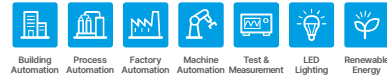
- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115V_{AC}, O/P: 100% load) for vertical mounting orientation. For PMC-12V600W1BA, MTBF calculations do not include fan life time.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC (24 V, 48 V)



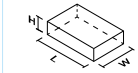
- Power will not de-rate for the entire input voltage range (except 600 W)
- Full corrosion resistant aluminium casing (except 600 W)
- Active PFC with high PF value (except dual output)
- Built-in fan speed control and fan lock protection (only 600 W)
- High MTBF > 700,000 hrs per Telcordia SR-332 (except PMC-24V600W1BA)
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections

Applications



Output		PMC-24V150W1B□	PMC-24V300W1BA	PMC-24V600W1BA	PMC-24V600W1RW	PMC-48V150W1BA	PMC-48V600W1BA	PMC-DSPV100W1A
Output Voltage		24V	V1: 24V, V2 SB: 12V	24V	24V	48V	48V	V1: 24V, V2: 5V
Output Voltage Range		22-28V	V1: 22-28V	21.6-26.4V	21.6-27.6V	44-53V	43.2-52.8V	V1: 22.8-26.4V
Output Current		0-6.25A	V1: 12.5A (0-12.5A) V2 SB: 0.5A (0-0.5A)	0-25.0A (50.0A for 5s)	25.0A	0-3.125A	0-12.5A	V1: 2.7A (0.3-4.0A) V2: 7.0A (0.8-7.0A)
Output Power		150W	300W	600W (1,200W for 5s)	600W	150W	600W	100W
PARD (20MHz)		< 100mVpp		V1: < 100mVpp V2: < 200mVpp	< 180mVpp @ 0°C to 50°C, < 240mVpp @ -20°C to 0°C	< 150mVpp @ 0°C to 70°C, 180mVpp typ. @ -20°C to 0°C	< 200mVpp	< 300mVpp
Hold-up Time	115V _{AC} 230V _{AC}	> 30ms	> 15ms @ nominal input, 100% load	> 20ms	20ms typ.	> 30ms	> 20ms	V1: < 200mVpp, V2: < 80mVpp > 15ms > 80ms
Input								
Phase Input		Single Phase				Single Phase		
Input Voltage Range		85-264V _{AC} (DC input range 125-375V _{DC}) ¹⁾		85-264V _{AC} (DC input range 120-370V _{DC}) ¹⁾	85-264V _{AC}	85-264V _{AC} (DC input range 125-375V _{DC}) ¹⁾		85-264V _{AC} (DC input range 120-370V _{DC}) ¹⁾
Input Frequency		47-63Hz				47-63Hz		
Input Current	115V _{AC} 230V _{AC}	< 1.7A < 1.0A	< 4.0A < 2.0A	< 6.5A < 3.2A	6A typ. 3A typ.	< 1.7A < 1.0A	< 6.5A < 3.2A	< 2.0A < 1.1A
	115V _{AC} 230V _{AC}	> 89.0% > 91.0%	> 86.0% > 88.0%	> 86.0% > 89.0%	90.0% typ. 92.0% typ.	> 89.0% > 91.0%	> 87.0% > 90.0%	> 84.0% > 86.0%
Efficiency ²⁾ at 100% Load	115V _{AC} 230V _{AC}	> 89.0% > 91.0%	> 86.0% > 88.0%	> 86.0% > 89.0%	90.0% typ. 92.0% typ.	> 89.0% > 91.0%	> 87.0% > 90.0%	> 84.0% > 86.0%
Max Inrush Current (Cold Start)	115V _{AC} 230V _{AC}	< 60A < 120A	< 35A < 70A	< 20A < 40A	- 40A typ.	< 20A < 40A	< 20A < 40A	< 50A < 100A
Power Factor	115V _{AC} 230V _{AC}	> 0.90	> 0.97 > 0.99	> 0.94	0.99 typ. 0.97 typ.	> 0.99 > 0.92	> 0.98 > 0.96	Conform to EN 61000-3-2
	240V _{AC} 264V _{AC}	< 1mA	< 1mA	< 1.5mA	< 0.75mA	< 1.5mA	-	< 1mA
Leakage Current	264V _{AC}	-				-	TT/TN: < 3mA, IT: < 4mA	-
Mechanical								
Case Cover / Chassis		Aluminium		SECC Steel	SGCC	Aluminium	SECC Steel	Aluminium
Dimensions (L × W × H)	mm	178 × 97 × 38	199 × 105 × 41	215 × 120 × 61	190 × 120 × 61	178 × 97 × 38	215 × 120 × 61	178 × 97 × 38
	inch	7.01 × 3.82 × 1.50	7.83 × 4.13 × 1.61	8.46 × 4.72 × 2.40	7.48 × 4.72 × 2.40	7.01 × 3.82 × 1.50	8.46 × 4.72 × 2.40	7.01 × 3.82 × 1.50
Unit Weight	kg	0.54	0.82	1.60	1.40	0.53	1.54	0.52
	lb	1.19	1.81	3.53	3.10	1.17	3.40	1.15
Cooling System	Convection		Forced Air (Built-in Fan)			Convection	Forced Air (Built-in Fan)	Convection
MTBF ³⁾	> 700,000hrs		> 300,000hrs	> 700,000hrs	> 700,000hrs			
Environment								
Operating Temperature ⁴⁾		-10°C to +70°C		-20°C to +70°C		-10°C to +70°C		-10°C to +70°C
Storage Temperature		-25°C to +85°C		-20°C to +75°C		-25°C to +85°C		-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)			20 to 95% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000m (0 to 16,400ft)	0 to 3,000m (0 to 9,840ft)	0 to 5,000m (0 to 16,400ft)	0 to 5,000m (0 to 16,400ft)	0 to 3,000m (0 to 9,840ft)		

Dimensions Reference



Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request.
- 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) for vertical mounting orientation. For PMC-24V300W1BA, PMC-24V600W1BA and PMC-48V600W1BA, MTBF calculations do not include fan life time.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.