

PMC

Features

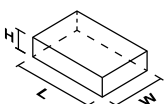
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (except PMC-05V015W1AA)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



Specifications

OUTPUT		PMC-05V015W1AA	PMC-05V035W1A□	PMC-05V050W1AA
Output Voltage		5V	5V	5V
Output Voltage Range		4.75-5.50V	4.75-5.50V	4.75-5.50V
Output Current		0-3.0A	0-7.0A	0-10.0A
Output Power		15W	35W	50W
PARD (20MHz)		< 70mVpp		
Hold-up Time	115Vac	> 15ms	> 15ms	> 15ms
	230Vac	> 80ms	> 80ms	> 80ms
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) ¹⁾		
Input Frequency		47-63Hz		
Input Current	115Vac	< 0.32A	< 0.90A	< 1.10A
	230Vac	< 0.22A	< 0.80A	< 0.70A
Efficiency ²⁾ at 100% Load	115Vac	> 79.0%	> 78.0%	> 79.0%
	230Vac	> 79.0%	> 79.0%	> 79.0%
Max Inrush Current (Cold Start)	115Vac	< 30A	< 30A	< 30A
	230Vac	< 65A	< 60A	< 65A
Power Factor		Conform to EN 61000-3-2		
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis		SECC Steel	Aluminium	
Dimensions (L × W × H)	mm	77 × 51 × 28	98 × 97 × 38	128 × 97 × 38
	inch	3.03 × 2.01 × 1.10	3.86 × 3.82 × 1.50	5.04 × 3.82 × 1.50
Unit Weight	kg	0.16	0.18	0.26
	lb	0.35	0.40	0.57
Cooling System		Convection		
MTBF ³⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature ⁴⁾		-10°C to +70°C		
Storage Temperature		-25°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)		

Dimensions Reference



Notes

- 1) All models are certified for DC input except PMC-05V015W1AA which still fulfills the test conditions of 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: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

Features

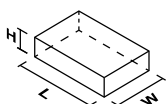
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



Specifications

OUTPUT		PMC-12V035W1A□	PMC-12V050W1A□	PMC-12V060W1NA	PMC-12V100W1A□
Output Voltage		12V	12V	12V	12V
Output Voltage Range		11-14V	11-14V	12-14V	11-14V
Output Current		0-3.0A	0-4.17A	0-5.0A	0-8.33A
Output Power		35W	50W	60W	100W
PARD (20MHz)		< 100mVpp			
Hold-up Time	115Vac	> 15ms	> 15ms	> 15ms	> 15ms
	230Vac	> 80ms	> 80ms	> 80ms	> 80ms
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) ¹⁾			
Input Frequency		47-63Hz			
Input Current	115Vac	< 0.75A	< 1.10A	< 1.35A	< 2.00A
	230Vac	< 0.50A	< 0.70A	< 0.90A	< 1.10A
Efficiency ²⁾ at 100% Load	115Vac	> 85.0%	> 84.0%	> 86.0%	> 84.0%
	230Vac	> 86.0%	> 84.0%	> 87.0%	> 86.0%
Max Inrush Current (Cold Start)	115Vac	< 30A	< 30A	< 50A	< 60A
	230Vac	< 60A	< 65A	< 100A	< 130A
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 1mA
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L × W × H)	mm	98 × 97 × 38	128 × 97 × 38	128 × 97 × 38	158 × 97 × 38
	inch	3.86 × 3.82 × 1.50	5.04 × 3.82 × 1.50	5.04 × 3.82 × 1.50	6.22 × 3.82 × 1.50
Unit Weight	kg	0.21	0.26	0.28	0.45
	lb	0.46	0.57	0.62	0.99
Cooling System		Convection			
MTBF ³⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature ⁴⁾		-10°C to +70°C		-20°C to +70°C	-10°C to +70°C
Storage Temperature		-25°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)			

Dimensions Reference



Notes

- 1) All models are certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
- 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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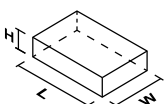
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (PMC-12V150W1BQ)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-12V150W1BQ	PMC-12V600W1BA
Output Voltage		12V	12V
Output Voltage Range		11-14V	10.8-13.2V
Output Current		0-12.5A	0-50A
Output Power		150W	600W
PARD (20MHz)		< 100mVpp	< 240mVpp
Hold-up Time	115Vac	> 30ms	> 20ms
	230Vac		
INPUT			
Phase Input	Single Phase		
Input Voltage Range	85-264Vac (DC input range 125-375Vdc) ¹⁾		85-264Vac (DC input range 120-375Vdc) ¹⁾
Input Frequency	47-63Hz		
Input Current	115Vac	< 1.70A @ 115Vac,	< 6.5A @ 115Vac,
	230Vac	< 1.00A @ 230Vac	< 3.2A @ 230Vac
Efficiency ²⁾ at 100% Load	115Vac	> 87.0% @ 115Vac,	> 85.5% @ 115Vac,
	230Vac	> 88.0% @ 230Vac	> 89.0% @ 230Vac
Max Inrush Current (Cold Start)	115Vac	< 60A @ 115Vac,	< 10A @ 115Vac,
	230Vac	< 120A @ 230Vac	< 20A @ 230Vac
Power Factor	115Vac	> 0.99 @ 115Vac,	> 0.98 @ 115Vac,
	230Vac	> 0.90 @ 230Vac	> 0.95 @ 230Vac
Leakage Current	240Vac	< 1mA	< 1mA
MECHANICAL			
Case Cover / Chassis	Aluminium		SECC Steel
Dimensions (L x W x H)	mm	178 x 97 x 38	215 x 120 x 61
	inch	7.01 x 3.82 x 1.50	8.46 x 4.72 x 2.40
Unit Weight	kg	0.54	1.51
	lb	1.19	3.33
Cooling System	Convection		Forced Air (Built-in Fan)
MTBF ³⁾	> 700,000 hrs		> 700,000 hrs
ENVIRONMENT			
Operating Temperature ⁴⁾	-10°C to +70°C		-20°C to +70°C
Storage Temperature	-25°C to +85°C		-40°C to +85°C
Operating Humidity	5 to 95% RH (Non-Condensing)		
Operating Altitude	0 to 3,000 m (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%, IP: 115Vac, 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

Features

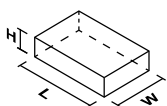
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



Specifications

OUTPUT		PMC-24V035W1A□	PMC-24V050W1A□	PMC-24V075W1A□	PMC-24V100W1A□	PMC-24V150W1A□
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		22-28V	22-28V	22-28V	22-28V	22-28V
Output Current		0-1.46A	0-2.1A	0-3.12A	0-4.17A	0-6.25A
Output Power		35W	50W	75W	100W	150W
PARD (20MHz)		< 150mVpp		< 100mVpp	< 150mVpp	< 100mVpp
Hold-up Time	115Vac	> 15ms	> 15ms	> 15ms	> 15ms	> 15ms
	230Vac	> 80ms	> 90ms	> 90ms	> 90ms	> 80ms
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) ¹⁾				
Input Frequency		47-63Hz				
Input Current	115Vac	< 0.75A	< 1.10A	< 1.50A	< 2.00A	< 3.10A
	230Vac	< 0.50A	< 0.70A	< 1.00A	< 1.10A	< 2.00A
Efficiency ²⁾ at 100% Load	115Vac	> 85.0%	> 86.0%	> 86.0%	> 86.0%	> 87.0%
	230Vac	> 85.0%	> 86.0%	> 86.0%	> 86.0%	> 88.0%
Max Inrush Current (Cold Start)	115Vac	< 30A	< 30A	< 40A	< 50A	< 60A
	230Vac	< 60A	< 60A	< 80A	< 100A	< 120A
Power Factor		Conform to EN 61000-3-2				NA
Leakage Current	240Vac	< 1mA				
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × H)	mm	128 × 97 × 38	128 × 97 × 38	128 × 97 × 38	158 × 97 × 38	178 × 97 × 38
	inch	5.04 × 3.82 × 1.50	5.04 × 3.82 × 1.50	5.04 × 3.82 × 1.50	6.22 × 3.82 × 1.50	7.01 × 3.82 × 1.50
Unit Weight	kg	0.24	0.26	0.30	0.41	0.48
	lb	0.53	0.57	0.66	0.90	1.06
Cooling System		Convection				
MTBF ³⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature ⁴⁾		-10°C to +70°C				
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)				0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes

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

PMC

Features

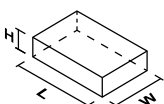
- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B



Specifications

OUTPUT		PMC-24V150W2AA	PMC-24V150W1B□	PMC-24V300W1BA
Output Voltage		24V	24V	V1: 24V, V2 SB: 12V
Output Voltage Range		22-28V	22-28V	V1: 22-28V
Output Current		0-6.25A	0-6.25A	V1: 12.5A (0-12.5A) V2 SB: 0.5A (0-0.5A)
Output Power		150W	150W	300W
PARD (20MHz)		< 100mVpp		
Hold-up Time	115Vac	-	> 30ms	> 15ms @ nominal input, 100% load
	230Vac	> 20ms		
INPUT				
Phase Input		Single Phase		
Input Voltage Range		180-264Vac (DC input range 220-375Vdc) ¹⁾	85-264Vac (DC input range 125-375Vdc) ¹⁾	
Input Frequency		47-63Hz		
Input Current	115Vac	-	< 1.7A	< 4.0A
	230Vac	< 1.6A	< 1.0A	< 2.0A
Efficiency ²⁾ at 100% Load	115Vac	-	> 89.0%	> 86.0%
	230Vac	> 87.0%	> 91.0%	> 88.0%
Max Inrush Current (Cold Start)	115Vac	-	< 60A	< 35A
	230Vac	< 120A	< 120A	< 70A
Power Factor	115Vac	Conform to EN 61000-3-2	> 0.99	> 0.99
	230Vac		> 0.90	> 0.97
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis		Aluminium		
Dimensions (L x W x H)	mm	178 x 97 x 38	178 x 97 x 38	199 x 105 x 41
	inch	7.01 x 3.82 x 1.50	7.01 x 3.82 x 1.50	7.83 x 4.13 x 1.61
Unit Weight	kg	0.50	0.54	0.82
	lb	1.10	1.19	1.81
Cooling System		Convection		Forced Air (Built-in Fan)
MTBF ³⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature ⁴⁾		-10°C to +70°C		
Storage Temperature		-25°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)	0 to 5,000 m (0 to 16,400 ft)	0 to 3,000 m (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. While PMC-24V150W2AA is certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V300W1BA, 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.



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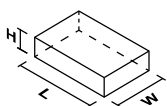
Features

- Meet Surge Immunity IEC 61000-4-5, Level 4 (CM: 4kV, DM: 2kV)
- Built-in fan speed control and fan lock protection
- Wide operating temperature range -20°C to 70°C
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B (PMC-24V600W1BA)

Specifications

OUTPUT		PMC-24V600W1BA	NEW PMC-24V600W1RW
Output Voltage		24V	24V
Output Voltage Range		21.6-26.4V	21.6-27.6V
Output Current		0-25.0A (50.0A for 5s)	25.0A
Output Power		600W (1,200W for 5s)	600W
PARD (20MHz)		< 180mVpp	< 150mVpp @ 0°C to 70°C, 180mVpp typ. @ -20°C to 0°C
Hold-up Time	115Vac	> 20ms	20ms typ.
	230Vac		
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac (DC input range 120-370Vdc) ¹⁾	85-264Vac
Input Frequency		47-63Hz	
Input Current	115Vac	< 6.5A	6A typ.
	230Vac	< 3.2A	3A typ.
Efficiency ²⁾ at 100% Load	115Vac	> 86.0%	90.0% typ.
	230Vac	> 89.0%	92.0% typ.
Max Inrush Current (Cold Start)	115Vac	< 20A	20A typ.
	230Vac	< 40A	40A typ.
Power Factor	115Vac	> 0.99	0.99 typ.
	230Vac	> 0.94	0.97 typ.
Leakage Current	240Vac	< 1.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SECC Steel	SGCC
Dimensions (L × W × H)	mm	215 × 120 × 61	190 × 120 × 61
	inch	8.46 × 4.72 × 2.40	7.48 × 4.72 × 2.40
Unit Weight	kg	1.60	1.40
	lb	3.53	3.10
Cooling System		Forced Air (Built-in Fan)	
MTBF ³⁾		> 300,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature ⁴⁾		-20°C to +70°C	
Storage Temperature		-20°C to +75°C	-30°C to +75°C
Operating Humidity		5 to 95% RH (Non-Condensing)	20 to 95% RH (Non-Condensing)
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)	0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes

- 1) All models fulfill the test conditions for DC input. 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: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V600W1BA, MTBF calculations does 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.



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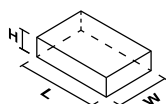
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (except PMC-48V600W1BA)
- High MTBF > 700,000 hrs as per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-48V150W1BA	PMC-48V600W1BA	PMC-DSPV100W1A
Output Voltage		48V	48V	V1: 24V, V2: 5V
Output Voltage Range		44-53V	43.2-52.8V	V1: 22.8-26.4V
Output Current		0-3.125A	0-12.5A	V1: 2.7A (0.3-4.0A) V2: 7.0A (0.8-7.0A)
Output Power		150W	600W	100W
PARD (20MHz)		< 200mVpp	< 300mVpp	V1: < 200mVpp, V2: < 80mVpp
Hold-up Time	115Vac	> 30ms	> 20ms	> 15ms
	230Vac			
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) ¹⁾	85-264Vac (DC input range 120-370Vdc) ¹⁾	85-264Vac (DC input range 125-375Vdc) ¹⁾
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.7A	< 6.5A	< 2.0A
	230Vac	< 1.0A	< 3.2A	< 1.1A
Efficiency ²⁾ at 100% Load	115Vac	> 89.0%	> 87.0%	> 84.0%
	230Vac	> 91.0%	> 90.0%	> 86.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 20A	< 50A
	230Vac	< 40A	< 40A	< 100A
Power Factor	115Vac	> 0.99	> 0.98	Conform to EN 61000-3-2
	230Vac	> 0.92	> 0.96	
Leakage Current	240Vac	< 1.5mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis		Aluminium	SECC Steel	Aluminium
Dimensions (L x W x H)	mm	178 x 97 x 38	215 x 120 x 61	178 x 97 x 38
	inch	7.01 x 3.82 x 1.50	8.46 x 4.72 x 2.40	7.01 x 3.82 x 1.50
Unit Weight	kg	0.53	1.54	0.52
	lb	1.17	3.40	1.15
Cooling System		Convection	Forced Air (Built-in Fan)	Convection
MTBF ³⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature ⁴⁾		-10°C to +70°C	-20°C to +70°C	-10°C to +70°C
Storage Temperature		-25°C to +85°C	-40°C to +85°C	-25°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	0 to 3,000 m (0 to 9,840 ft)	

Dimensions Reference



Notes

- 1) All models fulfill the test conditions for DC input. 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: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-48V600W1BA, MTBF calculations does 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.