



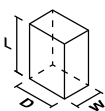
Features

- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s
- Full corrosion resistant aluminium casing for 12V/60W and 12V/100W
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Multiple wire connections to terminals allowed
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT	DRP012V015W1A□	DRP012V030W1A□	DRP012V060W1AA	DRP012V100W1AA	
Output Voltage	12V	12V	12V	12V	
Output Voltage Range	11-14V	11-14V	11-14V	11-14V	
Output Current	0-1.25A	0-2.5A	0-5.0A	0-8.33A	
Output Power	15W	30W	60W	100W	
PARD (20MHz)	< 100mVpp				
Hold-up Time	115Vac > 22ms	> 22ms	> 22ms	> 22ms	
	230Vac > 110ms	> 110ms	> 110ms	> 110ms	
INPUT					
Phase Input	Single Phase				
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾				
Input Frequency	47-63Hz				
Input Current	115Vac < 0.37A	< 0.70A	< 1.35A	< 2.50A	
	230Vac < 0.22A	< 0.42A	< 0.80A	< 1.50A	
Efficiency ²⁾ at 100% Load	115Vac > 84.0%	> 85.0%	> 86.0%	> 85.5%	
	230Vac > 83.0%	> 85.0%	> 86.0%	> 87.5%	
Max Inrush Current (Cold Start)	115Vac < 30A	< 40A	< 50A	< 100A	
	230Vac < 65A	< 80A	< 100A	No Damage	
Power Factor	Conform to EN 61000-3-2				
Leakage Current	240Vac < 1mA	< 1mA	< 1mA	< 1mA	
MECHANICAL					
Case Cover / Chassis	Plastic		Aluminium		
Dimensions (L × W × D)	mm	100 × 32 × 100.6	100 × 32 × 100.6	121 × 32 × 120	121 × 50 × 118.7
	inch	3.94 × 1.26 × 3.96	3.94 × 1.26 × 3.96	4.76 × 1.26 × 4.72	4.76 × 1.97 × 4.67
Unit Weight	kg	0.18	0.20	0.33	0.64
	lb	0.40	0.44	0.73	1.41
Cooling System	Convection				
MTBF ³⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	
ENVIRONMENT					
Operating Temperature ⁴⁾	-20°C to +80°C				
Storage Temperature	-25°C to +85°C				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 2,000 m (0 to 6,560 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.



Features

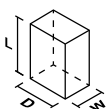
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- SEMI F47 Certified for selected models
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants*
- Hazardous Locations approval to ATEX and Class I, Div 2*
- Certified according to IEC/EN/UL 62368-1

* Except DRP-24V48W1AZ and DRP024V060W1AZ

Specifications

OUTPUT		DRP-24V48W1AZ	DRP024V060W1AZ	DRP024V060W1AA	DRP024V120W1AA	DRP024V240W1AA	DRP024V480W1AA
Output Voltage		24V	24V	24V	24V	24V	24V
Output Voltage Range		22-26V	22-28V	22-28V	22-28V	24-28V	22-28V
Output Current		0-2.0A	0-2.5A	0-2.5A	0-5.0A	0-10.0A	0-20.0A
Output Power		48W	60W	60W	120W	240W	480W
PARD (20MHz)		< 480mVpp		< 240mVpp			
Hold-up Time	115Vac	> 10ms	> 20ms	> 20ms	> 35ms	> 20ms	> 20ms
	230Vac	> 60ms	> 125ms	> 125ms	> 70ms		
INPUT							
Phase Input	Single Phase						
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾						
Input Frequency	47-63Hz						
Input Current	115Vac	< 1.4A	< 1.1A	< 1.1A	< 1.4A	< 2.9A	< 5.7A
	230Vac	< 0.7A	< 0.7A	< 0.7A	< 0.8A	< 1.5A	< 2.8A
Efficiency ²⁾ at 100% Load	115Vac	> 86.0%	> 86.0%	> 86.0%	> 86.0%	> 89.0%	> 85.0%
	230Vac	> 87.0%	> 87.0%	> 87.0%	> 87.0%	> 91.0%	> 88.0%
Max Inrush Current (Cold Start)	115Vac	< 28A	< 40A	< 40A	< 80A	< 40A	< 50A
	230Vac	< 56A	< 80A	< 80A	< 150A	< 100A	< 150A
Power Factor	115Vac	Conform to EN 61000-3-2			> 0.98	> 0.96	> 0.97
	230Vac				> 0.87	> 0.90	> 0.95
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 1mA	< 1mA	< 1.25mA
MECHANICAL							
Case Cover / Chassis		Plastic			Aluminium		
Dimensions (L x W x D)	mm	100 x 32 x 100.6	120.6 x 32 x 113	121 x 32 x 120	121 x 50 x 118.7	121 x 85 x 118.5	121 x 160 x 118.5
	inch	3.94 x 1.26 x 3.96	4.75 x 1.26 x 4.45	4.76 x 1.26 x 4.72	4.76 x 1.97 x 4.67	4.76 x 3.35 x 4.67	4.76 x 6.30 x 4.67
Unit Weight	kg	0.22	0.33	0.37	0.54	1.04	1.80
	lb	0.49	0.73	0.82	1.19	2.29	3.97
Cooling System	Convection						
MTBF ³⁾		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 300,000 hrs	> 300,000 hrs
ENVIRONMENT							
Operating Temperature ⁴⁾		-20°C to +70°C	-20°C to +80°C				
Storage Temperature	-25°C to +85°C						
Operating Humidity	5 to 95% RH (Non-Condensing)						
Operating Altitude	0 to 2,000 m (0 to 6,560 ft)						

Dimensions Reference



Notes

- 1) All models are certified for DC input except DRP-24V48W1AZ 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.

DIN Rail Power Supply 24V Output



Features

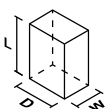


- Power will not de-rate for the entire input voltage range
- High Efficiency > 90.0% @ 230Vac
- Power Boost of 150% for 5s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT	DRP024V060W1B□	DRP024V120W1B□	DRP024V240W1B□	DRP024V480W1B□	
Output Voltage	24V	24V	24V	24V	
Output Voltage Range	24-28V	24-28V	24-28V	24-28V	
Output Current	0-2.5A	0-5.0A	0-10.0A	0-20.0A	
Output Power	60W	120W	240W	480W	
PARD (20MHz)	< 150mVpp				
Hold-up Time	115Vac > 20ms	> 20ms	> 20ms	> 20ms	
	230Vac > 125ms	> 115ms			
INPUT					
Phase Input	Single Phase				
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾				
Input Frequency	47-63Hz				
Input Current	115Vac < 1.4A	< 2.2A	< 2.5A	< 5.0A	
	230Vac < 0.8A	< 1.1A	< 1.3A	< 3.0A	
Efficiency ²⁾ at 100% Load	115Vac > 90.0%	> 89.0%	> 90.0%	> 91.0%	
	230Vac > 90.0%	> 90.0%	> 92.0%	> 92.0%	
Max Inrush Current (Cold Start)	115Vac < 20A	< 35A	< 35A	< 35A	
	230Vac < 35A				
Power Factor	115Vac	Conform to EN 61000-3-2		> 0.96	
	230Vac			> 0.95	
Leakage Current	240Vac < 1mA	< 1mA	< 1mA	< 3mA	
MECHANICAL					
Case Cover / Chassis	Aluminium				
Dimensions (L × W × D)	mm	121 × 32 × 125	121 × 50 × 123.1	121 × 85 × 124.1	121 × 144 × 118.6
	inch	4.76 × 1.26 × 4.92	4.76 × 1.97 × 4.85	4.76 × 3.35 × 4.89	4.76 × 5.67 × 4.67
Unit Weight	kg	0.37	0.72	1.10	1.37
	lb	0.82	1.59	2.43	3.02
Cooling System	Convection				
MTBF ³⁾	> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs	
ENVIRONMENT					
Operating Temperature ⁴⁾	-25°C to +80°C			-25°C to +75°C	
Storage Temperature	-40°C to +85°C				
Operating Humidity	5 to 95% RH (Non-Condensing)				
Operating Altitude	0 to 2,500 m (0 to 8,200 ft)				

Dimensions Reference



Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While DRP024V060W1B□ is also 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.



Features

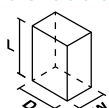
- Power will not de-rate for the entire input voltage range
- UL 1310 safety approval
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (DRP024V060W1NY)
- Certified according to IEC/EN/UL 62368-1



Specifications

OUTPUT		DRP024V060W1N□	DRP-24V100W1NN
Output Voltage		24V	24V
Output Voltage Range		22-28V	22-24V
Output Current		0-2.5A	0-3.8A
Output Power		60W	91.2W
PARD (20MHz)		< 240mVpp	< 150mVpp
Hold-up Time	115Vac	> 20ms	> 20ms
	230Vac	> 125ms	> 30ms
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) ¹⁾	
Input Frequency		47-63Hz	
Input Current	115Vac	< 1.50A	< 1.00A
	230Vac	< 0.80A	< 0.53A
Efficiency ²⁾ at 100% Load	115Vac	> 89.0%	> 88.0%
	230Vac	> 89.0%	> 89.0%
Max Inrush Current (Cold Start)	115Vac	< 40A	< 30A
	230Vac	< 80A	< 60A
Power Factor	115Vac	Conform to EN 61000-3-2	> 0.99
	230Vac		> 0.94
Leakage Current	240Vac	< 0.5mA	< 0.5mA
MECHANICAL			
Case Cover / Chassis		Plastic	Aluminium
Dimensions (L × W × D)	mm	120.6 × 32 × 119.3	124 × 40 × 124
	inch	4.75 × 1.26 × 4.70	4.88 × 1.57 × 4.88
Unit Weight	kg	0.33	0.60
	lb	0.73	1.32
Cooling System		Convection	
MTBF ³⁾		> 800,000 hrs	> 800,000 hrs
ENVIRONMENT			
Operating Temperature ⁴⁾		-25°C to +80°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 2,500 m (0 to 8,200 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.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



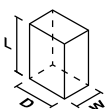
Features

- Designed for single phase input 180-305Vac (for L-N) or 2 of 3-Phase system 2 x 180-550Vac (for L-L) or 254-780Vdc
- Compact and corrosion resistant aluminium casing
- High Efficiency > 90.0%
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Wide operating temperature range from -30°C to +70°C
- Built-in DC OK contact
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP-24V120W2BN	DRP-24V240W2BN
Output Voltage		24V	24V
Output Voltage Range		24-28V	24-28V
Output Current		0-5.0A	0-10.0A
Output Power		120W	240W
PARD (20MHz)		< 150mVpp	
Hold-up Time	2 x 230Vac	> 10ms	> 18ms
	2 x 400Vac	> 50ms	> 30ms
INPUT			
Phase Input		Single Phase or Two Phase	
Input Voltage Range		2 x 180-550Vac or 180-305Vac (Single Phase) (DC input range 254-780Vdc) ¹⁾	
Input Frequency		47-63Hz	
Input Current	2 x 230Vac	< 1.20A	< 2.00A
	2 x 400Vac	< 0.80A	< 1.00A
Efficiency ²⁾ at 100% Load	2 x 400Vac	> 90.0%	> 90.0%
Max Inrush Current (Cold Start)	2 x 200Vac	< 50A	< 50A
	2 x 500Vac		
Power Factor	2 x 230Vac	Conform to EN 61000-3-2	> 0.84
	2 x 400Vac		
Leakage Current	500Vac	< 1mA	< 1.5mA
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L x W x D)	mm	124 x 40 x 117	124 x 60 x 117
	inch	4.88 x 1.57 x 4.61	4.88 x 2.36 x 4.61
Unit Weight	kg	0.62	0.81
	lb	1.37	1.79
Cooling System		Convection	
MTBF ³⁾		> 800,000 hrs	> 500,000 hrs
ENVIRONMENT			
Operating Temperature ⁴⁾		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		Industrial Application: 0 to 2,000 m (0 to 6,560 ft); ITE Application: 0 to 2,500 m (0 to 8,200 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: 2 x 200Vac, 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.



Features

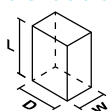
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 5s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (except DRP024V960W3BN)
- Certified according to IEC/EN/UL 62368-1



Specifications

OUTPUT		DRP024V060W3B□	DRP024V120W3B□	DRP024V240W3B□	DRP024V480W3B□	DRP024V960W3BN
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V	24-28V	24-28V
Output Current		0-2.5A	0-5.0A	0-10.0A	0-20.0A	0-40.0A
Output Power		60W	120W	240W	480W	960W
PARD (20MHz)		< 150mVpp				< 240mVpp
Hold-up Time	3 × 400Vac	> 20ms	> 20ms	> 20ms	> 20ms	> 20ms
	3 × 500Vac	> 40ms	> 40ms	> 40ms	> 20ms	> 20ms
INPUT						
Phase Input		Two Phase or Three Phase				
Input Voltage Range (Does not exceed 600Vac)		3 × 320-600Vac or 2 × 360-600Vac (DC input range 450-800Vdc) ¹⁾				3 × 320-600Vac or 2 × 380-600Vac (DC input range 450-800Vdc) ¹⁾
Input Frequency		47-63Hz				
Input Current	3 × 400Vac	< 0.30A	< 0.50A	< 0.75A	< 1.00A	< 1.70A
	3 × 500Vac	< 0.25A	< 0.40A	< 0.65A	< 0.75A	< 1.40A
Efficiency ²⁾ at 100% Load	3 × 400Vac 3 × 500Vac	> 86.0%	> 88.0%	> 91.0%	> 91.0%	> 92.0%
Max Inrush Current (Cold Start) ³⁾	3 × 400Vac 3 × 500Vac	< 30A	< 30A	< 40A	< 50A	< 60A
Power Factor	3 × 400Vac	Conform to EN 61000-3-2			> 0.95	> 0.95
	3 × 500Vac				> 0.94	> 0.94
Leakage Current	3 × 500Vac	< 3.5mA	< 3.5mA	< 3.5mA	< 3.5mA	< 3.5mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × D)	mm	121 × 50 × 117.3	121 × 50 × 117.3	121 × 70 × 117.3	121 × 140 × 117.3	121 × 255 × 117.3
	inch	4.76 × 1.97 × 4.62	4.76 × 1.97 × 4.62	4.76 × 2.76 × 4.62	4.76 × 5.51 × 4.62	4.76 × 10.0 × 4.62
Unit Weight	kg	0.66	0.66	0.89	1.35	2.60
	lb	1.46	1.46	1.96	2.98	5.73
Cooling System		Convection				
MTBF ⁴⁾		> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs	> 300,000 hrs
ENVIRONMENT						
Operating Temperature ⁵⁾		-25°C to +80°C				-25°C to +65°C
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		Industrial Application: 0 to 2,000 m (0 to 6,560 ft); ITE Application: 0 to 2,500 m (0 to 8,200 ft)				

Dimensions Reference



Notes

- 1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While DRP024V480W3B□ and DRP024V960W3B□ are also certified for DC input.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) AC Source capability up to 3KVA.
- 4) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 3 × 400Vac, O/P: 100% load) for vertical mounting orientation.
- 5) Refer power de-rating in the product datasheet.
- 6) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



Features

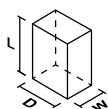
- Power will not de-rate for the entire input voltage range
- High Efficiency > 91.0% @ 230Vac
- Power Boost of 150% for 5s
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1



Specifications

OUTPUT	DRP048V060W1B□	DRP048V120W1B□	DRP048V240W1B□	DRP048V480W1B□
Output Voltage	48V	48V	48V	48V
Output Voltage Range	48-56V	48-56V	48-56V	48-56V
Output Current	0-1.25A	0-2.5A	0-5.0A	0-10.0A
Output Power	60W	120W	240W	480W
PARD (20MHz)	< 200mVpp			
Hold-up Time	115Vac	> 20ms	> 20ms	> 20ms
	230Vac	> 125ms	> 50ms	> 20ms
INPUT				
Phase Input	Single Phase			
Input Voltage Range	85-264Vac (DC input range 120-375Vdc) ¹⁾			
Input Frequency	47-63Hz			
Input Current	115Vac	< 1.4A	< 2.2A	< 2.5A
	230Vac	< 0.8A	< 1.1A	< 1.3A
Efficiency ²⁾ at 100% Load	115Vac	> 91.0%	> 90.0%	> 90.0%
	230Vac	> 92.0%	> 91.0%	> 92.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 35A	< 35A
	230Vac	< 35A	< 35A	< 35A
Power Factor	115Vac	Conform to EN 61000-3-2	> 0.99	> 0.96
	230Vac	> 0.93	> 0.90	> 0.90
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis	Aluminium			
Dimensions (L × W × D)	mm	121 × 32 × 125	121 × 50 × 123.1	121 × 85 × 124.1
	inch	4.76 × 1.26 × 4.92	4.76 × 1.97 × 4.85	4.76 × 3.35 × 4.86
Unit Weight	kg	0.38	0.72	0.96
	lb	0.84	1.59	2.12
Cooling System	Convection			
MTBF ³⁾	> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT				
Operating Temperature ⁴⁾	-25°C to +80°C			-25°C to +75°C
Storage Temperature	-40°C to +85°C			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 2,500 m (0 to 8,200 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.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



Features

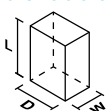
- Built-in constant current circuit for charging application
- High efficiency of up to 94% at 230Vac
- Power Boost of 150% for 5s
- SEMI F47 compliance at 120Vac
- Extreme low temperature cold start at -40°C
- Built-in DC OK Contact and LED indicator for DC OK
- Conformal coating on PCBA to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1



Specifications

OUTPUT		DRP-24V120W1C□□	DRP-24V240W1C□□	DRP-24V480W1C□□
Output Voltage		24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V
Output Current		0-5.0A	0-10.0A	0-20.0A
Output Power		120W	240W	480W
PARD (20MHz)		< 100mVpp		
Hold-up Time	115Vac	> 20ms	> 20ms	> 15ms
	230Vac			
INPUT				
Phase Input		Single Phase		
Input Voltage Range		DRP-24V□□W1C□□N: 88-264Vac DRP-24V□□W1C□□B: 88-264Vac (DC input range 88-375Vdc) ¹⁾		
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.4A	< 2.6A	< 5.0A
	230Vac	< 0.7A	< 1.3A	< 2.5A
Efficiency ²⁾ at 100% Load	115Vac	> 89.5%	> 91.0%	> 92.0%
	230Vac	> 91.0%	> 93.0%	> 93.0%
Max Inrush Current (Cold Start)	115Vac	< 35A	< 33A	< 40A
	230Vac	< 70A	< 65A	< 80A
Power Factor	115Vac	> 0.96	> 0.99	> 0.99
	230Vac	> 0.93	> 0.93	> 0.95
Leakage Current (264Vac, 50Hz)	TT/TN	< 0.47mA	< 0.74mA	< 1.12mA
	IT	< 1.20mA	< 2.00mA	< 2.55mA
MECHANICAL				
Case Cover / Chassis		Aluminium		
Dimensions (L × W × D)	mm	124 × 40 × 117	124 × 60 × 117	124 × 82 × 127
	inch	4.88 × 1.57 × 4.61	4.88 × 2.36 × 4.61	4.88 × 3.23 × 5.00
Unit Weight	kg	0.58	0.84	1.20
	lb	1.28	1.85	2.65
Cooling System		Convection		
MTBF ³⁾		> 1,411,300 hrs	> 1,366,200 hrs	> 1,041,600 hrs
ENVIRONMENT				
Operating Temperature ⁴⁾		-25°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) 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.

DIN Rail Power Supply 24V Output



Features

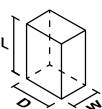
- High power density in corrosion resistant aluminium casing
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Extreme low temperature cold start at -40°C
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1



Specifications

OUTPUT		DRM-24V80W1PN	DRM-24V120W1PN	DRM-24V240W1PN	DRM-24V480W1PN	DRM-24V960W1PN
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V	24-28V	24-28V
Output Current		3.4-3.0A	5.0-4.5A	10.0-9.0A	20.0-17.0A	40.0-34.3A
Output Power		81.6W	120W	240W	480W	960W
PAR (20MHz)		< 50mVpp			< 100mVpp	
Hold-up Time	120Vac	> 35ms	> 34ms	> 28ms	> 30ms	> 23ms
	230Vac	> 70ms	> 65ms			
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-276Vac (DC input range 88-375Vdc) ¹⁾	85-264Vac (DC input range 88-375Vdc) ¹⁾	85-276Vac (DC input range 88-375Vdc) ¹⁾		85-264Vac
Input Frequency		47-63Hz				
Input Current	120Vac	< 0.90A	< 1.12A	< 2.26A	< 4.60A	< 10.10A
	230Vac	< 0.60A	< 0.62A	< 1.25A	< 2.50A	< 6.00A
Efficiency ²⁾ at 100% Load	120Vac	> 90.1%	> 91.6%	> 92.6%	> 92.2%	> 93.6%
	230Vac	> 90.0%	> 92.7%	> 93.5%	> 93.4%	> 94.6%
Max Inrush Current (Cold Start)	120Vac	< 7A	< 15A	< 10A	< 13A	< 13A
	230Vac	< 13A				< 20A
Power Factor	120Vac	> 0.95	> 0.99	> 0.98	> 0.92	> 0.97
	230Vac	> 0.80	> 0.91	> 0.92	> 0.87	> 0.95
Leakage Current (264Vac, 50Hz)	TT/TN	< 0.36mA	< 0.45mA	< 0.74mA	< 0.80mA	< 1.18mA
	IT	< 0.95mA	< 1.08mA	< 1.29mA	< 2.00mA	< 2.82mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × D)	mm	124 × 32 × 102	124 × 40 × 117	124 × 60 × 117	124 × 82 × 127	124 × 125 × 133.6
	inch	4.88 × 1.26 × 4.02	4.88 × 1.57 × 4.61	4.88 × 2.36 × 4.61	4.88 × 3.23 × 5.00	4.88 × 4.92 × 5.26
Unit Weight	kg	0.50	0.63	0.94	1.40	2.87
	lb	1.10	1.39	2.07	3.09	6.33
Cooling System		Convection				
MTBF ³⁾		> 2,000,000 hrs	> 1,800,000 hrs	> 1,400,000 hrs	> 778,800 hrs	> 513,800 hrs
ENVIRONMENT						
Operating Temperature ⁴⁾		-25°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); IEC/EN 61558: 0 to 2,500 m (0 to 8,200 ft)				

Dimensions Reference



Notes

- 1) All models are certified for DC input. DC input is not applicable for DRM-24V960W1PN.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, 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.



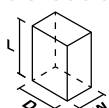
Features

- SIL3 approval for SIS Functional Safety
- Droop method current sharing
- Active Redundant circuit O-Ring MOSFET
- Power Boost of 150% up to 5s
- Advanced Power Boost (APB)
- Built-in DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

		COMING SOON
OUTPUT		DRM-24V480W1SN
Output Voltage		24V
Output Voltage Range		24-28V
Output Current		20.0-17.0A
Output Power		480W
PARD (20MHz)		< 120mVpp
Hold-up Time	120Vac	> 32ms
	230Vac	
INPUT		
Phase Input		Single Phase
Input Voltage Range		85-276Vac (DC input range 88-375Vdc) ¹⁾
Input Frequency		47-63Hz
Input Current	120Vac	< 4.56A
	230Vac	< 2.48A
Efficiency ²⁾ at 100% Load	120Vac	> 92.4%
	230Vac	> 93.4%
Max Inrush Current (Cold Start)	120Vac	< 13A
	230Vac	
Power Factor	120Vac	> 0.95
	230Vac	> 0.90
Leakage Current (264Vac, 50Hz)	TT/TN	< 1.10mA
	IT	< 1.20mA
MECHANICAL		
Case Cover / Chassis		Aluminium
Dimensions (L x W x D)	mm	124 x 82 x 127
	inch	4.88 x 3.23 x 5.00
Unit Weight	kg	1.40
	lb	3.09
Cooling System		Convection
MTBF ³⁾		> 864,600 hrs
ENVIRONMENT		
Operating Temperature ⁴⁾		-25°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) 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: 100Vac, 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.



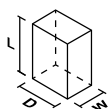
Features

- Built-in constant current circuit for charging application
- Full power from -25°C to +60°C @ 5,000m (16,400 ft.)
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK Contact and LED indicator for DC OK/Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRM-24V480W3PN	DRM-24V960W3PN
Output Voltage		24V	24V
Output Voltage Range		24-28V	24-28V
Output Current		20.0-17.1A	40.0-34.3A
Output Power		480W	960W
PARD (20MHz)		< 100mVpp	< 100mVpp
Hold-up Time	3 × 400Vac	> 18ms	> 20ms
	3 × 500Vac		
INPUT			
Phase Input		Two or Three Phase	
Input Voltage Range		3 × 320-575Vac or 2 × 380-575Vac (DC input range 450-800Vdc) ¹⁾	
Input Frequency		47-63Hz	
Input Current	3 × 400Vac	< 0.79A	< 1.65A
	3 × 500Vac	< 0.68A	< 1.35A
Efficiency ²⁾ at 100% Load	3 × 400Vac	> 95.0%	> 95.3%
	3 × 500Vac	> 94.8%	> 95.2%
Max Inrush Current (Cold Start)	3 × 400Vac	< 10A	< 14.2
	3 × 500Vac		< 17.0
Power Factor	3 × 400Vac	> 0.93	> 0.90
	3 × 500Vac	> 0.90	
Leakage Current (3 × 528Vac, 60Hz)	TT/TN	< 1.30mA	< 0.95mA
	IT		< 1.20mA
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L × W × D)	mm	124 × 65 × 127.1	124 × 110 × 128.6
	inch	4.88 × 2.56 × 5.00	4.88 × 4.33 × 5.06
Unit Weight	kg	1.18	2.30
	lb	2.60	5.07
Cooling System		Convection	
MTBF ³⁾		> 750,000 hrs	> 568,300 hrs
ENVIRONMENT			
Operating Temperature ⁴⁾		-25°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) 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: 3 × 400Vac, 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.



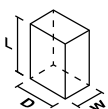
Features

- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Built-in active PFC with up to 94% efficiency
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRV-24V120W1PN	DRV-24V240W1PN	DRV-24V480W1PN
Output Voltage		24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V
Output Current		5.0-4.28A	10.0-8.57A	20.0-17.0A
Output Power		120W	240W	480W
PARD (20MHz)		< 50mVpp	< 50mVpp	< 100mVpp
Hold-up Time	120Vac	> 34ms	> 28ms	> 30ms
	230Vac	> 65ms		
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-264Vac (DC input range 88-375Vdc) ¹⁾	85-276Vac (DC input range 88-375Vdc) ¹⁾	
Input Frequency		47-63Hz		
Input Current	120Vac	< 1.13A	< 2.22A	< 4.60A
	230Vac	< 0.63A	< 1.21A	< 2.50A
Efficiency ²⁾ at 100% Load	120Vac	> 90.3%	> 92.6%	> 92.2%
	230Vac	> 91.2%	> 93.5%	> 93.4%
Max Inrush Current (Cold Start)	120Vac	< 15A	< 10A	< 13A
	230Vac			
Power Factor	120Vac	> 0.99	> 0.98	> 0.92
	230Vac	> 0.91	> 0.92	> 0.87
Leakage Current (264Vac, 50Hz)	TT/TN	< 0.45mA	< 0.74mA	< 0.80mA
	IT	< 1.08mA	< 2.10mA	< 2.00mA
MECHANICAL				
Case Cover / Chassis		Aluminium & Plastic / Aluminium		
Dimensions (L x W x D)	mm	124 x 60 x 139	124 x 60 x 139	124 x 82 x 149
	inch	4.88 x 2.36 x 5.47	4.88 x 2.36 x 5.47	4.88 x 3.23 x 5.87
Unit Weight	kg	0.75	1.02	1.45
	lb	1.65	2.25	3.20
Cooling System		Convection		
MTBF ³⁾		> 1,444,000 hrs	> 1,268,000 hrs	> 751,100 hrs
ENVIRONMENT				
Operating Temperature ⁴⁾		-25°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) 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: 100Vac, 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.