

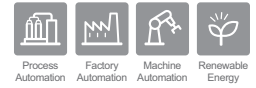
INDUSTRIAL POWER SUPPLIES

| DIN Rail Power Supply



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CliQ™

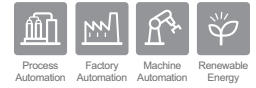


- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing for selected models
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models
- Conformal coating on PCBAs to protect against common dust and chemical pollutants (except DRP-24V48W1AZ and DRP024V060W1AZ)



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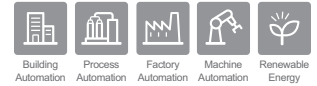


- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 5 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing (except DRP024V060W1N□)
- Cold start -40°C for selected models
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models



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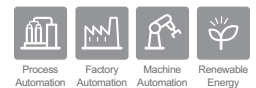


- Built-in constant current circuit for charging application
- Power Boost of 150% for 5 seconds
- SEMI F47 compliance at 120Vac
- Cold start at -40°C
- Built-in DC OK relay contact



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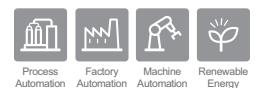


- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Built-in active PFC with up to 94% efficiency



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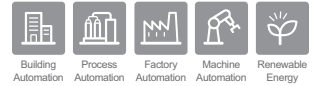


- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- Built-in active PFC with up to 94% efficiency



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LYTE

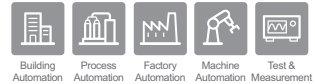


- Slim form factor
- Built-in constant current circuit for reactive loads
- Built-in DC OK relay contact (optional)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity



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CHROME

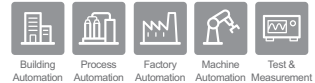


- Class II Double Isolation (No earth connection is required)
- Power will not de-rate for the entire input voltage range
- NEC Class 2 and Limited Power Source (LPS) approvals (except 12V/100W)
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and UL 508 (Industrial standard)
- Full power up to 55°C



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SYNC



- Low earth leakage current < 0.5mA @ 264Vac
- Built-in DC OK relay contact (optional)
- Cold start at -40°C
- Full power from -10°C to 55°C operation
- NEC Class 2 / Limited Power Source (LPS) certified



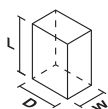
Features

- Universal AC input voltage range
- 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

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

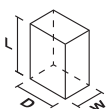
- Universal AC input voltage range
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- SEMI F47 Certified for selected models
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating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

*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	22-28V	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 × W × D)	mm	100 × 32 × 100.6	120.6 × 32 × 113	121 × 32 × 120	121 × 50 × 118.7	121 × 85 × 118.5	121 × 160 × 118.5
	inch	3.94 × 1.26 × 3.96	4.75 × 1.26 × 4.45	4.76 × 1.26 × 4.72	4.76 × 1.97 × 4.67	4.76 × 3.35 × 4.67	4.76 × 6.30 × 4.67
Unit Weight	kg	0.22	0.33	0.37	0.5	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.



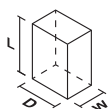
Features

- Universal AC input voltage range
- 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

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	> 0.96
	230Vac			> 0.90	> 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.

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