

Chrome DIN Rail Power Supply

5V, 12V Output

CHROME



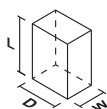
HIGHLIGHTS & FEATURES

- Class II Double Isolation (No earth connection is required)
- Universal AC input voltage range and full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals (except DRC-12V100W1AZ)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and UL 508 (Industrial standard)

GENERAL SPECIFICATIONS

OUTPUT	DRC-5V10W1A□	DRC-12V10W1A□	DRC-12V30W1A□	DRC-12V60W1A□	DRC-12V100W1AZ
Output Voltage	5V	12V	12V	12V	12V
Output Voltage Range	5V	12V	11.5-14.5V	11.5-14.0V	12-14V
Output Current	0-1.5A	0-0.83A	0-2.1A	0-4.5A	0-6.0A
Output Power	7.5W	10W	25.2W	54W	72W
Line Regulation	< 1.0% typ. (@ 90-264Vac, 100% load)				< 0.5% typ. (@ 90-264Vac, 100% load)
Load Regulation	< 2.0% typ. (@ 90-264Vac, 100% load)				< 1.0% typ. (@ 90-264Vac, 0-100% load)
PARD (20MHz)	< 150mVpp				< 100mVpp
Hold-up Time	> 10ms @ 115Vac, > 30ms @ 230Vac	> 10ms @ 115Vac, > 30ms @ 230Vac	> 25ms @ 115Vac, > 30ms @ 230Vac	> 16ms @ 115Vac, > 30ms @ 230Vac	> 20ms @ 115Vac, > 100ms @ 230Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	90-264Vac				
Input Frequency	47-63Hz				
Input Current	< 0.3A @ 115Vac, < 0.2A @ 230Vac	< 0.3A @ 115Vac, < 0.2A @ 230Vac	< 0.8A @ 115Vac, < 0.6A @ 230Vac	< 1.5A @ 115Vac, < 0.8A @ 230Vac	< 1.5A @ 115Vac, < 0.9A @ 230Vac
Efficiency ¹⁾ at 100% Load	> 78.0% @ 115Vac, > 77.0% @ 230Vac	> 82.0% @ 115Vac & 230Vac	> 85.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac & 230Vac	
Max Inrush Current (Cold Start)	< 15A @ 115Vac, < 30A @ 230Vac		< 25A @ 115Vac, < 50A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac	< 30A @ 115Vac, < 65A @ 230Vac
Power Factor	Conform to EN 61000-3-2				
Leakage Current	< 0.25mA @ 240Vac				< 0.25mA @ 264Vac
MECHANICAL					
Case Cover / Chassis	Plastic				
Dimensions (L x W x D)	91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")	91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")	91 x 53 x 55.6 mm (3.58" x 2.09" x 2.19")	91 x 71 x 55.6 mm (3.58" x 2.80" x 2.19")	91 x 89.9 x 55.6 mm (3.58" x 3.54" x 2.19")
Unit Weight	0.06 kg (0.13 lb)	0.06 kg (0.13 lb)	0.14 kg (0.31 lb)	0.22 kg (0.49 lb)	0.36 kg (0.79 lb)
Cooling System	Convection				
MTBF ²⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT					
Operating Temperature	-25°C to +71°C				
Storage Temperature	-25°C to +85°C				-40°C to +85°C
Power De-rating	> 55°C (2.5% / °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) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

Chrome DIN Rail Power Supply

24V Output



CHROME

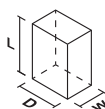
HIGHLIGHTS & FEATURES

- Class II Double Isolation (No earth connection is required)
- Universal AC input voltage range and full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1 (ITE standard) and UL 508 (Industrial standard)
- Household appliance approvals IEC/EN 60335-1 (DRC-24V10W1HZ)

GENERAL SPECIFICATIONS

OUTPUT	DRC-24V10W1A□	DRC-24V10W1HZ	DRC-24V30W1A□	DRC-24V60W1A□	DRC-24V100W1A□
Output Voltage	24V	24V	24V	24V	24V
Output Voltage Range	24V	24V	23.52-24.48V	24-28V	22-24V
Output Current	0-0.42A	0-0.42A	0-1.25A	0-2.5A	0-3.8A
Output Power	10W	10W	30W	60W	91.2W
Line Regulation	< 1.0% typ. (@ 90-264Vac, 100% load)				
Load Regulation	< 2.0% typ. (@ 90-264Vac, 100% load)				
PARD (20MHz)	< 150mVpp				
Hold-up Time	> 10ms @ 115Vac, > 30ms @ 230Vac		> 25ms @ 115Vac, > 30ms @ 230Vac	> 16ms @ 115Vac, > 30ms @ 230Vac	> 10ms @ 115Vac, > 30ms @ 230Vac
INPUT					
Phase Input	Single Phase				
Input Voltage Range	90-264Vac				90-264Vac (DC input range 125-375Vdc)
Input Frequency	47-63Hz				
Input Current	< 0.3A @ 115Vac, < 0.2A @ 230Vac		< 0.8A @ 115Vac, < 0.6A @ 230Vac	< 1.5A @ 115Vac, < 1.0A @ 230Vac	< 2.2A @ 115Vac, < 1.0A @ 230Vac
Efficiency ¹⁾ at 100% Load	> 80.0% @ 115Vac & 230Vac		> 83.0% @ 115Vac & 230Vac	> 86.0% @ 115Vac & 230Vac	> 85.0% @ 115Vac, > 87.0% @ 230Vac
Max Inrush Current (Cold Start)	< 15A @ 115Vac, < 30A @ 230Vac		< 25A @ 115Vac, < 50A @ 230Vac	< 30A @ 115Vac, < 60A @ 230Vac	
Power Factor	Conform to EN 61000-3-2				
Leakage Current	< 0.25mA @ 240Vac				
MECHANICAL					
Case Cover / Chassis	Plastic				
Dimensions (L x W x D)	91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")	91 x 18 x 55.6 mm (3.58" x 0.71" x 2.19")	91 x 53 x 55.6 mm (3.58" x 2.09" x 2.19")	91 x 71 x 55.6 mm (3.58" x 2.80" x 2.19")	91 x 89.9 x 55.6 mm (3.58" x 3.54" x 2.19")
Unit Weight	0.065 kg (0.14 lb)	0.065 kg (0.14 lb)	0.14 kg (0.31 lb)	0.22 kg (0.49 lb)	0.35 kg (0.77 lb)
Cooling System	Convection				
MTBF ²⁾	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT					
Operating Temperature	-25°C to +71°C				
Storage Temperature	-25°C to +85°C				
Power De-rating	> 55°C (2.5% / °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) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
- 3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.