

DR-120 Series

120W Single Output DIN Rail Power Supplies



FEATURES

- AC input range selectable by switch
- Short circuit, overload, over voltage, over temperature protected
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508 (industrial control equipment) approved
- LED indicator for power on
- 100% full load burn-in test
- 3 year warranty

ENVIRONMENTAL

Operating Temp: -10 to +60°C (with de-rating)

Storage Temp: -20 to +85°C

SAFETY / EMC (SEE NOTE 4)

EN60950
UL60950
UL508

EN55011
EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
EN61000-6-2 (EN50082-2)
Heavy industry level, criteria A



ELECTRICAL SPECIFICATIONS

Model No.	DR-120-XX		
XX	12	24	48
AC Input	88-132/176-264VAC, 1 Phase, 47-63Hz		
DC Input	248-370VDC		
DC Output			
Voltage	12V	24V	48V
Current	0-10A	0-5A	0-2.5A
Rated Power	120W	120W	120W
Ripple & noise (p-p)	80mV	80mV	100mV
Voltage Tolerance	±2.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%
Load Regulation	±1.0%	±1.0%	±1.0%
Overload	Constant I limiting. Recovers automatically when fault removed		
Over Voltage	Shuts down O/P volts. Re-power on to recover		
Over Temperature	Shuts down O/P volts. Recovers automatically when temp goes down		
Dimensions	65.5(W) x 125.2(H) x 100(D)mm		
Weight	0.79Kg		

- Notes:**
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line and load regulation.
 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Specifications subject to change without notice

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