

DR-120 Series DIN-Rail Power Supplies

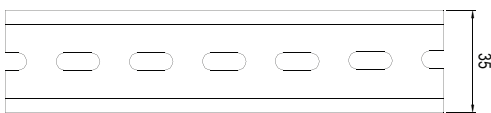
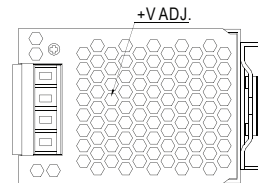
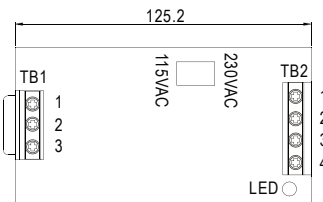
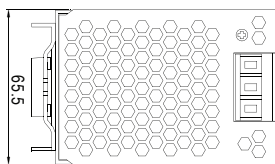
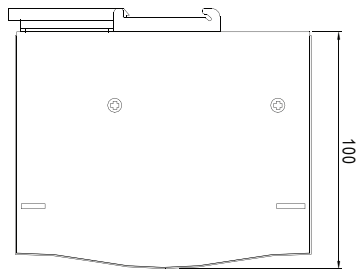


Features

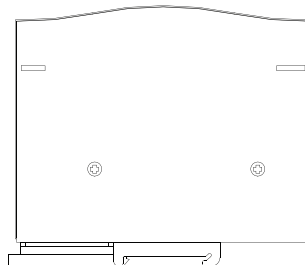
- ✓ AC input range selectable by switch
- ✓ Protections: Short circuit/Overload/Over voltage/Over temp.
- ✓ Cooling by free air convection
- ✓ Can be installed on DIN-Rail TS-35/7.5 or 15
- ✓ UL 508 (industrial control equipment) approved
- ✓ LED indicator for power on.
- ✓ 100% full load burn-in test
- ✓ Fix switching frequency at 100KHz
- ✓ 3 years warranty



Dimensions



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15



Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N
3	AC/L

Terminal Pin No. Assignment (TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

Hardware Specifications

Output

Model	DR-12012	DR-12024	DR-12048
DC Voltage	12V	24V	48V
Rated Current	10A	5A	2.5A
Current Range	0-10A	0-5A	0-2.5A
Rate Power	120W	120W	120W
Ripple & Noise	80mVp-p	80mVp-p	100mVp-p
Voltage ADJ. Range	12-14V	24-28V	48-53V
Voltage Tolerance	± 2.0%	± 1.0%	± 1.0%
Line Regulation	± 0.5%	± 0.5%	± 0.5%
Load Regulation	± 1.0%	± 1.0%	± 1.0%
Setup, Rise Time	500ms, 700ms/230VAC 500ms, 70ms/115VAC at full load		
Hold up Time	36ms/230VAC 32ms/115VAC at full load		

Input

Model	DR-12012	DR-12024	DR-12048
Voltage Range	88-132VAC/176-264VAC 248-370VDC		
Frequency Range	47-63Hz		
Efficiency	80%	84%	85%
AC Current	2.6A/115VAC 1.6A/230V		
Inrush Current	Cold Start 20A/115VAC 40A/230VAC		
Leakage Current	<3.5mA/240VAC		

Protection

Model	DR-12012	DR-12024	DR-12048
Overload	105-150% rated output power		
Over Voltage	15-16.5V	29-33V	58-65V

Environmental

Operating Temperature	Regular: -10 to 60°C
Storage Temperature	-20 to 85°C (-4 to 185°F)
Operating Humidity	20%~90% RH (Non-condensing)

Regulatory Approvals

Safety	UL508, TUV EN60950-1
EMI	EN55011, EN55022 (CISPR22) Class B
Harmonic Current	EN61000-3-2, -3
EMS	EN61000-4-2, 3, 4, 5, 6, 7, 8, 11, ENV50204, ENV55024, EN61000-6-2 (EN50082-2)

Others

MTBF	136.8K hrs min. MIL-HDBK-217F
Dimensions	65.5*125.2*100mm (L*W*H)
Weight	0.79kg