



浙江乐宇电气有限公司

Zhejiang Leyu Electric Co., Ltd.

60W Single Output DIN Rail Power Supply

MDR-60 series

Features:

Universal AC input/ full range

Protections: Short circuit/ Over load/ Over voltage

Cooling by free air convection

Can be installed on DIN rail TS-35/7.5 or 15

isolation class II

LED indicator for power on

100% full load burn-in test

2 years warranty

SPECIFICATIONS

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OUTPUT				
Model	MDR-60-5	MDR-60-12	MDR-60-15	MDR-60-24
DC Voltage	5V	12V	15V	24V
Rated Current	10A	5A	4A	2.5A
Current Range	0-10A	0-5A	0-4A	0-2.5A
Rated Power	50W	60W	60W	60W
Ripple & Noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p
Voltage Adj. Range	-5%,+10%	-8%,+10%	±10%	±10%
Voltage Tolerance	±2%	±1%	±1%	±1%
Setup, Rise Time	500ms,30ms/230VAC 200ms,30ms/115VAC at full load			
Hold Up Time	50ms/230VAC 20ms/115VAC at full load			
INPUT				
Voltage Range	88~264VAC 47~63Hz; 124~370VDC			
AC Current	1.8A/115V 1A/ 230V			
Efficiency	76%	82%	83%	84%
Inrush Current	Cold start 18A/115V 36A/230V			
Leakage Current	<1mA/240VAC			
PROTECTION				
Over Load	105%~160%			
	Protection type: Constant current limiting, recovers automatically after fault condition is removed			
Over Voltage	115%~135%			
	Protection type: Shut down o/p voltage, re-power on to recover			
ENVIRONMENT				



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Working Temp., Humidity	-20°C~+60°C; 20%~90%RH
Storage Temp., Humidity	-40°C~+85°C; 10%~95%RH
Temp. Coefficient	±0.03%/°C(0~50°C)
Vibration	10~500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes
SAFETY	
Withstand Voltage	I/P-O/P: 3KVAC
Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC
STANDARD	
Safety Standard	Design refer to UL60950-1,TUV EN60950-1,EN50178
EMC Standard	Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204,EN55024,EN61000-6-2, EN61204-3
OTHERS	
Dimension	40*90*100mm(L*W*H)
Weight	0.3Kg
Packing	50pcs/carton
NOTE	
<p>1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor.</p> <p>3.Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>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.</p>	