

MDR-60

	Model number	MDR-60-5	MDR-60-12	MDR-60-24	MDR-60-48
Output	DC voltage	5V	12V	24V	48V
	Rated current	10A	5A	2.5A	1.25A
	Current range	0~10A	0~5A	0~2.5A	0~1.25A
	Rated power	50W	60W	60W	60W
	Ripple and Noise Remarks (Note 2)	80mV _{P-P}	120mV _{P-P}	150mV _{P-P}	200mV _{P-P}
	Voltage adjustment range	5-6V	12~15V	24~30V	48~56V
	Voltage Accuracy (Note 3)	±2.0%	±1.0%	±1.0%	±1.0%
	Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%
	load regulation rate	±1.5%	±1.0%	±1.0%	±1.0%
	Start-up, rise time	500ms, 30ms/230VAC 500ms, 30ms/115VAC (full load)			
Hold Time (Typ.)	50ms/230VAC 20ms/115VAC (full load)				
Input	Voltage range	85 ~ 264 VAC or 120 ~ 370 VDC			
	Frequency Range	47~63Hz			
	Efficiency (Typ.)	78%	86%	88%	87%
	AC Current (Typ.)	1.8A/115VAC		1A/230VAC	
	Inrush current (Typ.)	Cold Start: 30A/115VAC 60A/230VAC			
	Leakage current	≤1mA/ 240VAC			
Protect	Overload (Note 5)	105% ~ 160% of rated output power Protection mode: constant current limit, automatic recovery after the load abnormal condition is removed.			
	Overvoltage	6.25~7.25V	15.6~18V	31.2~36V	57.6~64.8V
		Protection mode: turn off the output voltage, recover after restart			
Function	DC OK signal	Relay contact (max): 30V/1A resistive load			
Surroundings	Operating temperature	-20℃~+70℃ (Please refer to "Derating Curve")			
	Working humidity	20-90% RH,no condensation			
	Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
	Temperature Coefficient	±0.03%/℃ (0~50℃)			
	Vibration resistance	10~500Hz, 2G 10 minutes/cycle, X, Y, Z axis each 60 minutes; Installation: Comply with IEC60068-2-6			
Safety and EMC (Note 4)	Safety regulations	UL508, UL62368-1, TUV BS EN/EN62368-1 Class I, Div. 2 GroupA, B, C,D Hazardous Locations T4,EAC TP TC 004, BSMI CNS14336-1,AS/NZS 60950.1, IS13252(Part1) /IEC60950-1 Certification passed			
	Pressure resistance	I/P-O/P:3KVAC	I/P-FG:2KVAC	O/P-FG:0.5KVAC	
	Insulation impedance	I/P-O/P, I/P-FG, O/P-FG: > 100M Ohms/500VDC/25℃/70% RH			
	Electromagnetic Compatible Emissions	Complies with BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B.			
	Electromagnetic Compatibility Interference	Compliant with EN/EN61000-4-2.3, 4.5, 6, 8, 11, EN/EN55024, EN/EN61000-6-2, EN61204-3, Class A heavy industry standard, EAC TP TC 020			
Other	MTBF	≥299.2K hrs. MIL-HDBK-217F (25℃)			
	Size	40*90*100mm			
	Packing	0.33Kg; 42pcs/14.8Kg/0.82CUFT			
Note	1. Unless otherwise specified, all specifications are measured under the input of 230VAC. Rated load and 25℃ ambient temperature. 2. Ripple and noise measurement method: use a 12" twisted pair, and the terminals should be connected in parallel with 0.1uf and 47uf capacitors, and measure at 20MHZ. 3. Accuracy: including setting error, linear adjustment rate and load adjustment rate. 4. The power supply should be regarded as a part of the components in the system, and it is necessary to confirm with the final motion equipment. 5. Start-up time is measured at a cold start, and frequent power on and off may result in longer start-up times. 6. When the height of the poster exceeds 2000 meters (6500 feet), the ambient temperature of the fanless model drops at a rate of 3.5℃/1000m, and the ambient temperature of the fan model drops at a rate of 5℃/1000m.				