■ Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- LED indicator for power on

- DC OK relay contact
- No load power consumption<0.75W
- 100% full load burn-in test
- 2 years warranty

SPECIFICATION

MODEL		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 & NOISE (max.) Note.2	80mVp-p	120mVp-p	150mVp-p	200mVp-p	
	VOLTAGE ADJ. RANGE	5 ~ 6V	12 ~ 15V	24 ~ 30V	48 ~ 56V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION	±1.5%	±1.0%	±1.0%	±1.0%	
	SETUP, RISE TIME Note.5	500ms, 30ms/230VAC 500	lms, 30ms/115VAC at full load			
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC				
	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				
PROTECTION	OVERLOAD	105 ~ 150% rated output power				
		Protection type: Constant current limiting, recovers automatically after fault condition is removed				
	OVER VOLTAGE	6.25 ~ 7.25V	15.6 ~ 18V	31.2 ~ 36V	57.6 ~ 64.8V	
		Protection type: Shut down o/p voltage, re-power on to recover				
FUNCTION	DC OK SIGNAL	Relay contact rating(max.): 30V/1A resistive				
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	$\pm 0.03\%^{\circ}$ C (0 ~ 50°C)				
	VIBRATION	$Component: 10 \sim 500 \text{Hz}, 2\text{G} \ 10 \text{min./1} \text{cycle}, \text{period for 60} \text{min. each along X, Y, Z axes}; \\ Mounting: Compliance to IEC60068-2-6$				
SAFETY & EMC (Note 4)	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B, EN61000-3-2,-3				
	EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A				
OTHERS	MTBF	299.2K hrs min. MIL-HDBK-217F (25° C)				
	DIMENSION	40*90*100mm (W*H*D)				
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consided EMC directives.	rameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. e & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. ance: includes set up tolerance, line regulation and load regulation. lower supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets directives. h of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.				

