



Features:

- Standard DC input range
- Protection: Short circuit /Overload/Over Voltage
- DC INPUT REVERSE POLARITY PROTECTION**
- + Optional contact signal output for DC OK
- + Optional Remote ON-Off control
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty

Applications:

- Security systems
- Emergency POE system
- Alarm system
- UPS system
- Central monitoring system
- Access systems



100/150W series is a DC/DC Converter,. In addition it can have to primary output, there is a charger output(option), with the smaller rated current, that provides the backup power supply application the security access system require.

150W delivers an efficiency up to 88%; It can operate with air convection under -20°C through +70°C. This series is designed with thorough alarm features, can adding DC Input OK signaling; Moreover, the relay contact is provided to facilitate users system designs.

MODEL:

- 12VDC: KB-150○12
- 24VDC: KB -150○24
- 48VDC: KB-150○48(BY ORDERED)
- 110VDC: KB -150○110(BY ORDERED)

DC INPUT RANGE: ○ 12VDC (9-18) 24VDC (19-36) 48VDC (36-72) 110VDC (72-144)

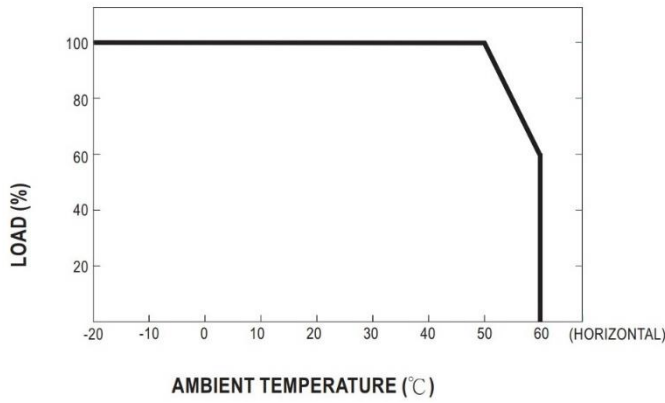


ساخت ایران بخیریم، ایران ساخته خواهد شد.

SPECIFICATION:

MODEL		MRS-150○12	MRS-150○24	MRS-150○48	MRS-150○110
OUTPUT	OUTPUT NUMBER	CH1	CH1	CH1	CH1
	DC VOLTAGE	12.0V	24.0V	48.0V	110.0V
	RATED CURRENT	12.0A	6.5A	3.0A	1.3A
	CURRENT RANGE	0~12.5A	0~6.5A	0~3.0A	0~1.3A
	RATED POWER	150W	150W	150W	150W
	RIPPLE & NOISE(Note2)	200mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1: 12~15V	CH1: 24~29V	CH1: 47~59V	CH1: 100~120V
	VOLTAGE TOLERANCE(Note2)	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME Note.4	300ms, 50ms at full Load			
HOLD UP TIME	40ms at full Load				
INPUT	VOLTAGE RANGE	○ 12(9-18) 24VDC (19-36) 48VDC (36-72) 110(72-144)			
	EFFICIENCY (Typ.)	84%	86%	87%	89%
PROTECTION	OVERLOAD	101~105% rated output power Protection type: Constant current, recovers automatically after fault condition is removed			
	OVER VOLTAGE	14.49~18.63VDC	28.98~37.26VDC	55.49~60.63VDC	120~135VDC
		Protection type: Shut down o/p voltage, re-power on to recover			
	OVER TEMP CONTROL				
ALARM FUNCTION	DC OK Note.5	OPTIONAL Relay contact output, ON: DC Okay; OFF: DC Fail; Max Rating: 30V-1A			
	Remote On/Off control	OPTIONAL Normal working CN3 is open, PSU is off if CN3 is short			
ENVIRONMENT	WORKING TEMP.	-20~+70°C REFER TO DERATING CURVE			
	WORKING HUMIDITY	20~90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-20~+85°C, 10~90% RH			
	TEMP. COEFFICIENT	±0.03% /°C (0~45°C) on CH1 Output			
	VIBRATION	10~500Hz 2G 10min./ 1cycle, 60min each along X, Y, Z			
SAFETY & EMC (NOTE4)	SAFETY STANDARD	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved			
	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVAC I/P-FG: 2.0KVAC O/P-FG: 0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG: 100MΩ / 500VDC / 25°C / 70%RH			
	EMC EMISSION	Compliance EN55032 (CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020			
	EMC IMMUNITY	Compliance EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
OTHERS	MTBF	257K hrs. min. MIL-HDBK-217F (25°C)			
	DIMENSION	199*100*40mm			
	PACKING	0.7Kg; 20pcs/14 Kg			
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temp Ripple & noise are measured at 20MHz of bandwidth by using 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor Tolerance: includes set up tolerance. Line regulation and load regulation. Length of set up time is measured at first cold start. Tuning ON/OFF the power supply may lead to increase of the set-up time., Please refer to suggested application The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to EMI testing of components power supplier <p>The ambient temp derating of 3.5°C/1000m with fan less model and 5°C/1000m with fan model for operating altitude higher than 2000m.</p>				

■ Derating Curve



■ Output Derating VS Input Voltage

