DRC-100A



- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Battery low / Battery reverse polarity protection protection by fuse
- Can be installed on DIN rail TS-35/7.5 or 15
- Alarm signal for AC OK and Battery low (via relay)
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

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Price
Sales price without tax 65,90 €

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Manufacturer?????????????: Mean Well

Description

SPECIFICATION			
MODEL		**DRC-100A**	
OUTPUT	**OUTPUT NUMBER**	**CH1**	**CH2**
	DC VOLTAGE	13.8V	13.8V
	RATED CURRENT	4.5A	2.5A
	CURRENT RANGE	0 ~ 7A	--------
	RATED POWER	96.6W	
	RIPPLE & NOISE (Note.2	120mV p-p	--------
	VOLTA	CH1:12 ~ 15V	

	GE ADJ. RANGE		
	VOLTAGE TOLERANCE Note.3	±1.0%	--------
	LINE REGULATION	±0.5%	--------
	LOAD REGULATION	±0.5%	--------
	SETUP, RISE TIME Note.4	2400ms, 50ms/230VAC 2400ms, 50ms/115VAC at full load	
	HOLD UP TIME (Typ.)	50ms/230VAC 10ms/115VAC at full load	
INPUT	**VOLTAGE RANGE**	90 ~ 264VAC 127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)]	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	87%	
	AC CURRENT (Typ.)	1.8A/115VAC 1.1A/230VAC	
	INRUSH CURRENT (Typ.)	COLD START 30A/115VAC 60A/230VAC	
PROTECTION	**OVERLOAD**	105 ~ 150% rated output power	
		Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	CH1:14.49 ~ 18.63V	
		Protection type : Shut down o/p voltage, re-power on to recove	
	BATTERY CUT OFF	10±0.5V	
FUNCTION	**AC OK**	Relay contact output, ON : AC OK ; OFF : AC Fail ; max. rating : 30V/1A	

	BATTERY LOW	Relay contact output, OFF : Battery OK ; ON : Battery Low ; max. rating : 30V/1A
		Battery low voltage : < 11V
ENVIRONMENT	**WORKING TEMP.**	-30 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C , 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C) on CH1 output
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC (Note 5	**SAFETY STANDARDS**	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved
	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 EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61204-3, light industry level, criteria A, EAC TP TC 020 ; meet EN54-4 for fire detection and fire alarm systems
OTHERS	**MTBF**	410.1K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	55*90*100mm (W*H*D)
	PACKING	0.37Kg; 30pcs/12.1Kg/0.82CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.	

	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. 5. 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. For guidance on how to perform these EMC tests, please refer to “EMI testing of component power supplies.” (as available on http://www.meanwell.com) 6. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 7. The ambient temperature derating of 3.5 /1000m with fanless models and of 5 /1000m with fan models for operating altitude higher °C°C than 2000m(6500ft).

DRC-100A Specification