

## DRC-40A



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

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**Price**

Sales price without tax 39,90 €

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Manufacturer [??????????????: Mean Well](#)

Description

SPECIFICATION			
MODEL		DRC-40A	
OUTPUT NUMBER	DC VOLTAGE	13.8V	13.8V
	RATED CURRENT	1.9A	1A
	CURRENT RANGE	0 ~ 2.9A	-----
	RATED POWER	40.02W	
	RIPPLE & NOISE (max.)	120mV p-p	-----
	Note.2		
	VOLTAGE	CH1:12 ~ 15V	

	<b>GE ADJ. RANGE</b>	
	<b>VOLTA GE TO LERANCE</b> Note.3	±1.0% -----
	<b>LINE R EGULA TION</b>	±0.5% -----
	<b>LOAD REGUL ATION</b>	±0.5% -----
	<b>SETUP, RISE TI ME</b> Note.4	400ms, 50ms/230VAC  800ms, 50ms/115VAC at full load
	<b>HOLD UP TIME (Typ.)</b>	50ms/230VAC  10ms/115VAC at full load
<b>INPUT</b>	<b>VOLTA GE RANGE</b>	90 ~ 264VAC  127 ~ 370VDC [DC input operation possible by connecting AC/L(+), AC/N(-)]
	<b>FREQU ENCY RANGE</b>	47 ~ 63Hz
	<b>EFFICI ENCY (Typ.)</b>	86%
	<b>AC CU RRENT (Typ.)</b>	0.8A/115VAC  0.6A/230VAC
	<b>INRUS H CUR RENT (Typ.)</b>	COLD START 30A/115VAC 60A/230VAC
<b>PROTE CTION</b>	<b>OVERL OAD</b>	105 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	<b>OVER VOLTA GE</b>	CH1:14.49 ~ 18.63V Protection type : Shut down o/p voltage, re-power on to recover
	<b>BATTE RY CUT OFF</b>	10±0.5V
<b>FUNCT ION</b>	<b>AC OK</b>	Open collector output, CONTACT : AC OK ; CUT OFF : AC Fail ; max.

		rating : 50V/30mA
	<b>BATTERY LOW</b>	Open collector output, CUT OFF : Battery ; CONTACT : Battery Low ; max. rating : 50V/30mA
		Battery low voltage : < 11V
<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b>	-30 ~ +70°C (Refer to "Derating Curve")
	<b>WORKING HUMIDITY</b>	20 ~ 90% RH non-condensing
	<b>STORAGE TEMP., HUMIDITY</b>	-40 ~ +85°C , 10 ~ 95% RH
	<b>TEMP. COEFFICIENT</b>	±0.03%/°C (0 ~ 55°C ) on CH1 output
	<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
<b>SAFETY &amp; EMC (Note 5)</b>	<b>SAFETY STANDARDS</b>	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved
	<b>WITHSTANDING VOLTAGE</b>	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	<b>ISOLATION RESISTANCE</b>	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH
	<b>EMC EMISSION</b>	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020
	<b>EMC IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61204-3, light industry level, criteria A, EAC TP TC 020
<b>OTHERS</b>	<b>MTBF</b>	536.6K hrs min. MIL-HDBK-217F (25°C)
	<b>DIMENSION</b>	40*90*100mm (W*H*D)
	<b>PACKING</b>	0.3Kg; 42pcs/13.6Kg/0.82CUFT
<b>NOTE</b>	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 than 2000m(6500ft).

[DRC-40A Specification](#)