# DRC-100B

- 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-100B** | |
| **OUTPUT** | **OUTPUT NUMBER** | **CH1** | **CH2** |
| | **DC VOLTAGE** | 27.6V | 27.6V |
| | **RATED CURRENT** | 2.25A | 1.25A |
| | **CURRENT RANGE** | 0 ~ 3.5A | -------- |
| | **RATED POWER** | 96.6W | |
| | **RIPPLE & NOISE ( Note.2** | 240mV p-p | -------- |
| | **VOLTA** | CH1:24 ~ 30V | |

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| | **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<br><br>2400ms, 50ms/115VAC at full load | |
| | **HOLD UP TIME (Typ.)** | 50ms/230VAC<br><br>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.)** | 89% | |
| | **AC CURRENT (Typ.)** | 1.8A/115VAC<br><br>1.1A/230VAC | |
| | **INRUSH CURRENT (Typ.)** | COLD START<br>30A/115VAC<br><br>60A/230VAC | |
| **PROTECTION** | **OVERLOAD** | 105 ~ 150% rated output power | |
| | | Protection type : Hiccup mode, recovers automatically after fault condition is removed | |
| | **OVER VOLTAGE** | CH1:28.98 ~ 37.26V | |
| | | Protection type : Shut down o/p voltage, re-power on to recover | |
| | **BATTERY CUT OFF** | 20±1V | |
| **FUNCTION** | **AC OK** | Relay contact output, ON : AC OK ; OFF : AC Fail ; max. rating : 30V/1A | |
| | **BATTERY** | Relay contact output, OFF : | |

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| | **LOW** | Battery OK ; ON : Battery Low ; max. rating : 30V/1A |
| | | Battery low voltage : < 22V |
| **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.<br><br>2. Ripple & noise are measured at 20MHz of | |

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| | bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br><br>3. Tolerance : includes set up tolerance, line regulation and load regulation.<br><br>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.<br><br>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)<br><br>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.<br><br>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-100B Specification