

EBD12012 series

Desktop 12V/10A



■ Features:

- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Isolation class II
- No load power consumption < 0.7W
- Low price

ELECTRICAL SPECIFICATION

| MODEL | EBD12012 |
|----------------------------------|---|
| OUTPUT | |
| RATED VOLTAGE | 12VDC |
| RATED CURRENT | 10A |
| RIPPLE & NOISE (max.) [2] | 240mV _{p.p} |
| RATED POWER | 120W |
| LINE REGULATION | ± 1% |
| LOAD REGULATION | ± 3% |
| TOLERANCE [3] | ± 5% |
| SETUP, HOLD UP TIME [4] | 3000ms, 20ms / 230VAC at full load |
| INPUT | |
| VOLTAGE RANGE | 90 ÷ 264VAC; 127 ÷ 370VDC |
| FREQUENCY RANGE | 47 ÷ 63Hz |
| EFFICIENCY (typ.) | 86.5% |
| AC CURRENT (typ.) | 2.5A/115VAC, 1.4A / 230VAC |
| NO LOAD POWER CONSUMPTION (max.) | 0.7W |
| PROTECTIONS | |
| OVERLOAD | Range: 115 ÷ 200% |
| | Type: shut off output voltage. Auto-recovery. |
| SHORT CIRCUIT | Type: hiccup mode, auto-recovery. |
| OVER VOLTAGE | Range: 15V ÷ 20V |
| | Type: hiccup mode, auto-recovery. |
| OVER TEMPERATURE | Type: shut off output voltage. Auto-recovery. |
| WORKING ENVIRONMENT | |
| WORKING TEMPERATURE | -5°C ÷ 40°C |
| WORKING HUMIDITY | 10 ÷ 90% RH non-condensing |
| STORAGE TEMPERATURE AND HUMIDITY | -20°C ÷ 60°C, 10 ÷ 90% RH non-condensing |

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SAFETY AND EMC REGULATIONS

| | |
|--------------------------|--|
| WITHSTAND VOLTAGE | I-P/O-P: 3kVAC |
| SAFETY STANDARDS | Compliance to EN60950-1 |
| EMC EMISSION | Compliance to EN55022 |
| EMC IMMUNITY | Compliance to EN55024 |
| HARMONIC CURRENT | Compliance to EN61000-3-3; EN61000-3-2 |

OTHERS

| | |
|-------------------|--|
| TERMINALS | Input: IEC C8 socket; Output: wire 14AWGx2C, length = 1500mm |
| DC PLUG | Female 2.1/ 5.5, V+ inside |
| DIMENSIONS | 174*72*43(L*W*H) |
| WEIGHT | 0.35kg; 22pcs./box; box weight and dimensions: 7.8kg; 52 x 34 x 29cm |

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 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualify to comply with EMC Directives.

MECHANICAL SPECIFICATION

