# EBD12012 series

### Desktop 12V/10A





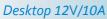
#### ■ Features:

- 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 <sub>P-P</sub>
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

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
  Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
  Tolerance includes set up tolerance, line regulation and load regulation.
  Setup and rise time is measured from 0 to 90% rated output voltage.
  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 required to complete installation. equipment must be re-qualify to comply with EMC Directives.

#### **MECHANICAL SPECIFICATION**

