

# EBD6012 series

Desktop 12V/5A



## ■ Features:

- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Isolation class II
- No load power consumption < 0.5W
- Low price

## ELECTRICAL SPECIFICATION

MODEL	EBD6012
<b>OUTPUT</b>	
<b>RATED VOLTAGE</b>	12VDC
<b>RATED CURRENT</b>	5A
<b>RIPPLE &amp; NOISE (max.) [2]</b>	120mV <sub>p.p</sub>
<b>RATED POWER</b>	60W
<b>LINE REGULATION</b>	± 1%
<b>LOAD REGULATION</b>	± 3%
<b>TOLERANCE [3]</b>	± 5%
<b>SETUP, HOLD UP TIME [4]</b>	3000ms, 20ms / 230VAC at full load
<b>INPUT</b>	
<b>VOLTAGE RANGE</b>	90 ÷ 264VAC; 127 ÷ 370VDC
<b>FREQUENCY RANGE</b>	47 ÷ 63Hz
<b>EFFICIENCY (typ.)</b>	86%
<b>AC CURRENT (typ.)</b>	1.3A/115VAC, 0.7A / 230VAC
<b>NO LOAD POWER CONSUMPTION (max.)</b>	0.5W
<b>PROTECTIONS</b>	
<b>OVERLOAD</b>	Range: 115 ÷ 200% rated power
	Type: hiccup mode, auto-recovery.
<b>SHORT CIRCUIT</b>	Type: hiccup mode, auto-recovery.
<b>OVER VOLTAGE</b>	Range: 15V ÷ 20V
	Type: hiccup mode, auto-recovery.
<b>WORKING ENVIRONMENT</b>	
<b>WORKING TEMPERATURE</b>	-5°C ÷ 40°C
<b>WORKING HUMIDITY</b>	10 ÷ 90% RH non-condensing
<b>STORAGE TEMPERATURE AND HUMIDITY</b>	-20°C ÷ 60°C, 10 ÷ 90% RH non-condensing

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## SAFETY AND EMC REGULATIONS

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

## OTHERS

<b>TERMINALS</b>	Input: IEC C8 socket; Output: wire 18AWGx2C, length = 1500mm
<b>DC PLUG</b>	Female 2.1/ 5.5, V+ inside
<b>DIMENSIONS</b>	116*50*32(L*W*H)
<b>WEIGHT</b>	0.23kg; 100pcs./box; box weight and dimensions: 26kg; 60.5 x 34.5 x 35.5cm

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

