EBD12012 series

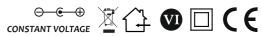
12V / 10A Constant Voltage desktop desktop type AC/DC adaptor



■ Features:

- Universal AC input / Full range
 - Isolation class II design
- ErP step II / CEC level VI compliance
- No load power consumption P < 0.8W
- Protections: Overload / Short circuit













ELECTRICAL SPECIFICATION

| EBD12012 |
|-----------------------------------|
| |
| 12V |
| 10A |
| 0 ÷ 10A |
| 120W |
| ± 1% |
| ± 5% |
| ± 8% |
| $300 mV_{P-P}$ |
| 300ms, 50ms / 230VAC at full load |
| 50ms / 230VAC at full load |
| |

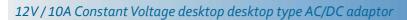
| INPUT | |
|----------------------------------|------------------------------|
| Voltage Range | 90 ÷ 264VAC |
| Frequency Range | 47 ÷ 63Hz |
| Efiiciency (typ.) | 86% |
| AC Current (typ.) | 2.2A / 115VAC, 1.1A / 230VAC |
| No load Power Consumption (max.) | 0.8W |

| PROTECTIONS | |
|---------------|-----------------------------------|
| Overload | Range: 140-180% |
| | Type: hiccup mode, auto-recovery. |
| Short Circuit | Type: hiccup mode, auto-recovery. |

| WORKING ENVIRONMENT | | | |
|----------------------------------|---|--|--|
| Working Temperature | 0°C ÷ 40°C | | |
| Working Humidity | 10 ÷ 90% RH non-condensing | | |
| Storage Temperature and Humidity | -20°C ÷ 85°C, 5 ÷ 90% RH non-condensing | | |

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EBD12012 series





SAFETY and EMC REGULATIONS

| Safety Standards | Compliance to EN 60950-1 |
|----------------------|--|
| Withstand Voltage | IN/OUT: 3.6kVAC |
| Isolation Resistance | IN/OUT: 50MΩ/500VDC/25°C/70% |
| EMC Emission | Compliance to EN55032 |
| EMC Immunity | Compliance to EN61000-4-2, -3, -4, -5 |
| Harmonic Current | Compliance to EN61000-3-3; EN61000-3-2 |

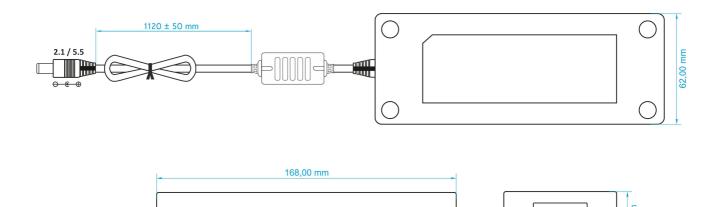
| OTHERS | | |
|------------------|--------------------------------|--------------------------------|
| AC Inlet | IEC320-C8 | |
| DC wire and plug | Wire: 22AWG*2C, length = 112cm | Plug: 2.1/5.5, positive inside |
| Dimensions | 168 x 62 x 37mm (L x W x H) | |
| Net Weight | 498g | |

EAN Code



- $1. \ All \ parameters \ NOT \ specially \ mentioned \ are \ measured \ at \ 230VAC \ input, \ rated \ load \ and \ 25^{\circ}C \ of \ ambient \ temperature.$
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a $0.1\mu F$ i $47\mu F$ 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 component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

MECHANICAL SPECIFICATION



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