# CLD 7012 T2 E

*72W Constant Voltage Desktop Type Switching Power Supply*

**■ Features:**

- *Constant voltage design*
- *Universal AC input*
- *Protections: Short circuit / Overload / Over voltage*
- *Isolation class II*

## ELECTRICAL SPECIFICATION

| MODEL | CLD 7012 T2 E |
|---|---|
| **OUTPUT** | |
| *Rated Voltage* | 12V |
| *Rated Current* | 6A |
| *Rated Power* | 72W |
| *Line Regulation* | ± 2% |
| *Load Regulation* | ± 5% |
| *Tolerance [3]* | ± 5% |
| *Ripple & Noise (max.) [2]* | 180 $mV_{P-P}$ |
| *Setup, Rise Time [4]* | Max 1s, 10 ms / 230VAC at full load |
| *Hold up Time* | 50 ms / 230VAC at full load |
| **INPUT** | |
| *Voltage Range* | 90 ÷ 264VAC |
| *Frequency Range* | 47 ÷ 63Hz |
| *Efficiency (typ.)* | 83% |
| *AC Current (typ.)* | 1.3 A / 115VAC, 0.60 A / 230VAC |
| **PROTECTIONS** | |
| *Overload* | Range: 110 ÷ 150% rated current |
| | Type: hiccup mode, auto-recovery. |
| *Short Circuit* | Type: hiccup mode, auto-recovery. |
| *Over voltage* | 18 ÷ 25VDC |
| | Type: shut down output voltage. Re-power on to recovery. |

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| WORKING ENVIRONMENT | |
|---|---|
| ***Working Temperature*** | 0°C ÷ 40°C |
| ***Working Humidity*** | 5 ÷ 95% RH non-condensing |
| ***Storage Temperature and Humidity*** | -20°C ÷ 85°C, 5 ÷ 95% RH non-condensing |
| **SAFETY AND EMC REGULATIONS [5]** | |
| ***Safety Standards*** | Compliance to EN60950-1 |
| ***Withstand Voltage*** | I-P/O-P: 5.3 kVAC |
| ***EMC Emission*** | Compliance to EN55032 |
| ***EMC Immunity*** | Compliance to EN55024 |
| ***Harmonic Current*** | Compliance to EN61000-3-3; EN61000-3-2 |
| **OTHERS** | |
| ***Dimensions*** | 115 x 50.5 x 31 mm (length x width x height) |
| ***Weight and Packing*** | 0.24kg; 50pcs./ctn; ctn weight and dimensions: 15kg; 48.5 x 32.5 x 40cm |

*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. According to EN61204-3 standard power supply is considered as component not indented to apply by end-user. It might turn out to use additional EMI filter (eq. 06IB2S) or/and feriite cores (eq. 74271222) mounted on input and output wires to achieve compliance with EMC standards. The final equipment with power supply must be re-quality to comply with EMC Directives.*

## MECHANICAL SPECIFICATION