CLD-3612-T2-E series

36W Constant Voltage Switching Power Supply

■ Features:

- *Constant voltage design*
- *Universal AC input*
- *Protections: Short circuit / Overload / Over voltage / Over temperature*

◎ ELECTRICAL SPECIFICATION

MODEL	CLD-3612-T2-E
OUTPUT	
Rated Voltage	12V
Rated Current	3A
Rated Power	W
Line Regulation	± 1%
Load Regulation	± 3%
Tolerance [3]	± 5%
Ripple & Noise (max.) [2]	720 mV_{P-P}
Setup, Rise Time [4]	250ms, 10ms / 230VAC at full load
Hold up Time	50ms / 230VAC at full load
INPUT	
Voltage Range	100 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efficiency (typ.)	85%
AC Current (typ.)	1.0A / 115VAC, 0.5A / 230VAC
PROTECTIONS	
Overload	Range: 150 ÷ 200% rated current
	Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over voltage	18 ÷ 25VDC
	Type: hiccup mode, auto-recovery.
Over temperature	140°C±10°C(detect on main control IC)
	Type: shut down output voltage. Recovers automatically after temperature goes down.

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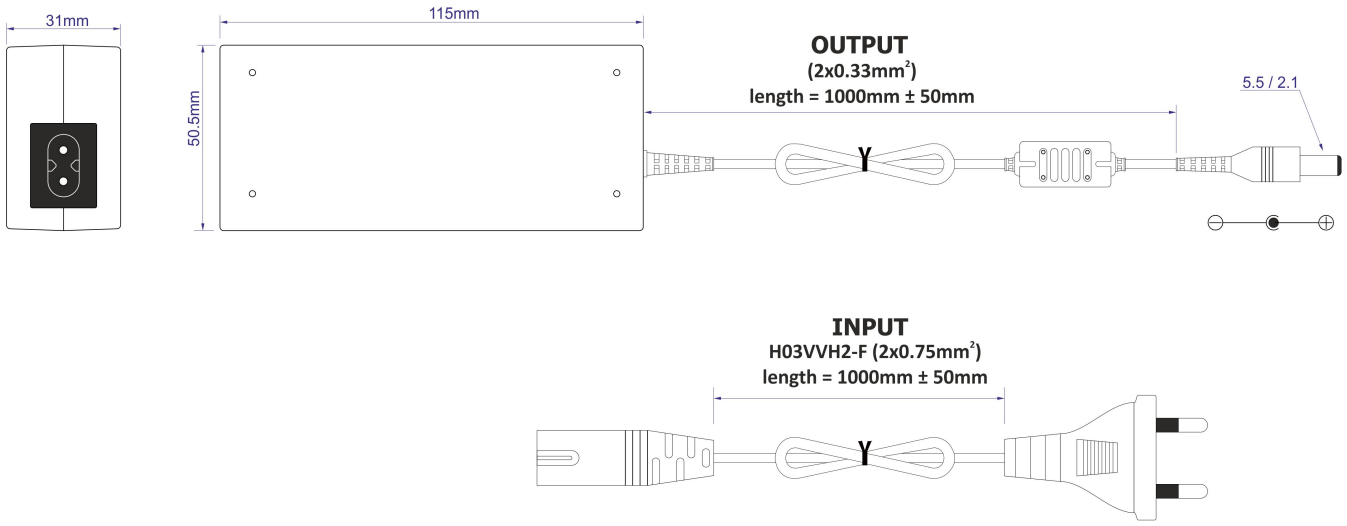
WORKING ENVIRONMENT	
Working Temperature	0°C ÷ 40°C
Working Humidity	20 ÷ 95% RH non-condensing
Storage Temperature and Humidity	-20°C ÷ 85°C, 5 ÷ 95% RH non-condensing
SAFETY AND EMC REGULATIONS [5]	
Safety Standards	Compliance to EN60950-1
Withstand Voltage	I-P/O-P: 3.0kVAC; I-P/GND: 1.5kVAC; O-P/GND: 0.5kVAC
EMC Emission	Compliance to EN55022
EMC Immunity	Compliance to EN55024
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2
OTHERS	
Dimensions	115 x 50.5 x 31mm (length x width x height)
Weight and Packing	0.24kg; 360pcs./ctn; ctn weight and dimensions: 86,4kg;

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



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