CLD-7012-T2-E series

72W Constant voltage desktop type AC/DC adaptor

■ Features:

- *Universal AC input / Full range*
- *ErP step II / CEC level VI compliance*
- *No load power consumption P < 0.1W*
- *Protections: Overload / Short circuit / Over Voltage*

CONSTANT VOLTAGE

ELECTRICAL SPECIFICATION

MODEL	CLD-7012-T2-E
OUTPUT	
Rated Voltage	12V
Rated Current	6A
Current Range	0 ÷ 6A
Rated Power	72W
Line Regulation	± 2%
Load Regulation	± 5%
Tolerance [3]	± 5%
Ripple & Noise (max.) [2]	180mV$_{P-P}$
Setup, Rise Time [4]	Max 1s, 50ms / 230VAC at full load
Hold up Time (typ.)	50ms / 230VAC at full load
INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	85,34% - Input115/230Vac / Average（25%+50%+75%+100%）/4
AC Current (typ.)	1.3A / 230VAC
No load Power Consumption (max.)	<0.1W
PROTECTIONS	
Overload	Range: 110-150%
	Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	18V – 25V
	Type: hiccup mode, auto-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 ÷ 60°C, 5 ÷ 95% RH non-condensing

SAFETY and EMC REGULATIONS	
Safety Standards	Compliance to EN 62368-1
Withstand Voltage	IN/OUT: 5.3kVAC
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-C14	
DC wire and plug	Wire: 16AWG*2C, length = 1500mm	Plug: 2.1/5.5, positive inside
MTBF	60 000h	
Dimensions	1105 x 50 x 31mm (L x W x H)	
Net Weight	240g	

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 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