



# CLW-1505-W2E-ER25

15V / 3A Wall mounted type AC/DC adaptor



## ■ Features:

- Universal AC input / Full range
- Wall mounted type, Isolation class II design
- ErP step II / CEC level VI compliance
- No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Temperature



## ELECTRICAL SPECIFICATION

| MODEL | CLW-1505-W2E-ER25 |
|-------|-------------------|
|-------|-------------------|

## OUTPUT

|                           |                                    |
|---------------------------|------------------------------------|
| Rated Voltage             | 5V                                 |
| Rated Current             | 3A                                 |
| Current Range             | 0 ÷ 3A                             |
| Rated Power               | 15W                                |
| Line Regulation           | ± 2%                               |
| Load Regulation           | ± 5%                               |
| Tolerance [3]             | ± 8%                               |
| Ripple & Noise (max.) [2] | 120mV <sub>p-p</sub>               |
| Setup, Rise Time [4]      | 5000ms, 20ms / 230VAC at full load |
| Hold up Time (typ.)       | 4ms / 230VAC at full load          |

## INPUT

|                                  |                              |
|----------------------------------|------------------------------|
| Voltage Range                    | 90 ÷ 264VAC                  |
| Frequency Range                  | 47 ÷ 63Hz                    |
| Efficiency (typ.)                | 83,98%                       |
| AC Current (typ.)                | 0.8A / 115VAC, 0.4A / 230VAC |
| No load Power Consumption (max.) | 0.075W                       |

## PROTECTIONS

|                  |   |
|------------------|---|
| Overload         | Range: 105-200%<br>Type: fold forward mode(current rises, voltage drops) to 3V next hiccup mode, auto-recovery. |
| Short Circuit    | Type: hiccup mode, auto-recovery.   |
| Over Temperature | 140°C±10°C(detect on main control IC)<br>Type: shut off output voltage, auto-recovery.                          |



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## WORKING ENVIRONMENT

|   |   |
|---|---|
| <b>Working Temperature</b>              | 0°C ÷ 40°C                              |
| <b>Working Humidity</b>                 | 10 ÷ 90% RH non-condensing              |
| <b>Storage Temperature and Humidity</b> | -20°C ÷ 85°C, 5 ÷ 90% RH non-condensing |

## SAFETY and EMC REGULATIONS

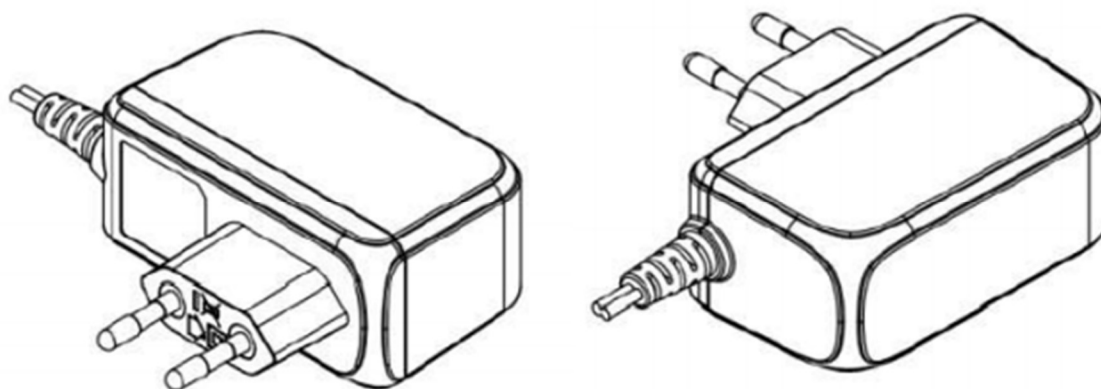
|                             |  |
|-----------------------------|--|
| <b>Safety Standards</b>     | Compliance to EN 62368                 |
| <b>Withstand Voltage</b>    | IN/OUT: 3.6kVAC                        |
| <b>Isolation Resistance</b> | IN/OUT: 50MΩ/500VDC/25°C/70%           |
| <b>EMC Emission</b>         | Compliance to EN55032                  |
| <b>EMC Immunity</b>         | Compliance to EN61000-4-2, -3, -4, -5  |
| <b>Harmonic Current</b>     | Compliance to EN61000-3-3; EN61000-3-2 |

## OTHERS

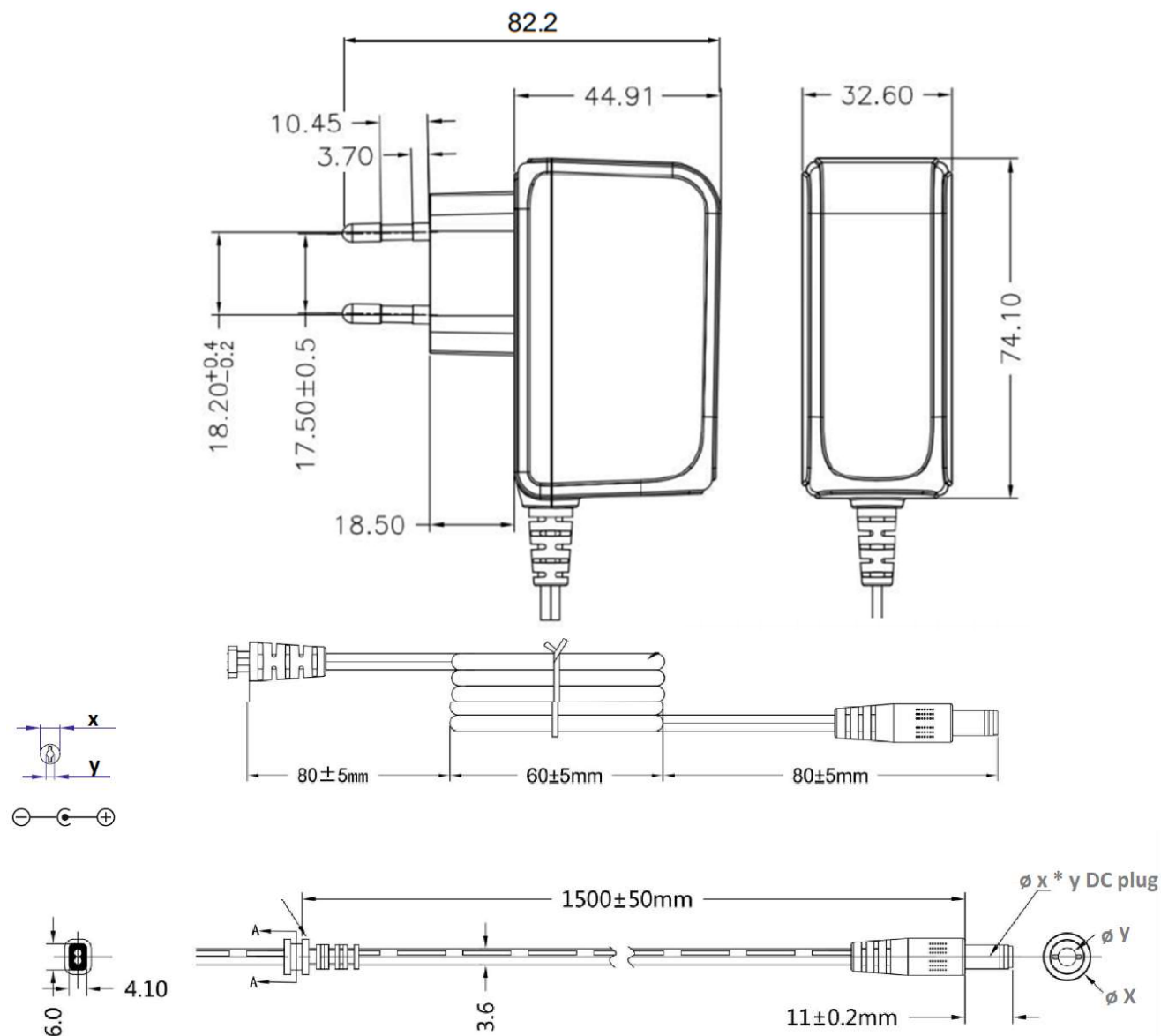
|                         |                                      |                                |
|-------------------------|--------------------------------------|--------------------------------|
| <b>DC wire and plug</b> | Wire: 20AWG*2C, length = 120mm ±50mm | Plug: 2.5/5.5, positive inside |
| <b>Dimensions</b>       | 82 x 32.6 x 74.1mm (L x W x H)       |                                |
| <b>Net Weight</b>       | 120g                                 |                                |

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 / 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



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| *MODEL                   | DC PLUG          | X [mm]     | Y [mm]     | Polarity               |
|--------------------------|------------------|------------|------------|------------------------|
| CLW-1505-W2E-ER          | 5.5x2.1mm        | 5.5        | 2.1        | center positive        |
| <b>CLW-1505-W2E-ER25</b> | <b>5.5x2.5mm</b> | <b>5.5</b> | <b>2.5</b> | <b>center positive</b> |
| CLW-1505-W2E-ER13        | 3.5x1.3mm        | 3.5        | 1.3        | center positive        |
| CLW-1505-W2E-ER40        | 4.0x1.7mm        | 4.0        | 1.7        | center positive        |
| CLW-1505-W2E-ER48        | 4.8x1.7mm        | 4.8        | 1.7        | center positive        |
| CLW-1505-W2E-ER-CN       | 5.5x2.1mm        | 5.5        | 2.1        | center negative        |
| CLW-1505-W2E-ER25-CN     | 5.5x2.5mm        | 5.5        | 2.5        | center negative        |
| CLW-1505-W2E-ER13-CN     | 3.5x1.3mm        | 3.5        | 1.3        | center negative        |
| CLW-1505-W2E-ER40-CN     | 4.0x1.7mm        | 4.0        | 1.7        | center negative        |
| CLW-1505-W2E-ER48-CN     | 4.8x1.7mm        | 4.8        | 1.7        | center negative        |