CUI INC
a bel group

CE

# Declaration of Conformity

Manufacturer:
**CUI Inc.**
**15575 SW Sequoia Parkway, Suite 100**
**Portland, Oregon 97224**

For the following equipment:

DC-DC Converter
## CUI Series: PST50W
Models: 36V nominal input, see next page

This declaration of conformity is issued under the sole responsibility of the manufacturer.
The object of the declaration described above is in conformity with the relevant Union harmonization legislations and their amendments:

**Low Voltage Directive 2014/35/EU**
**EMC Directive 2014/30/EU**
**RoHS Directive 2011/65/EU and (EU) 2015/863**

References to the relevant harmonized standards used, including the date of the standard, or references to the other technical specifications, including the date of the specification, in relation to which conformity is declared:

| | |
|---|---|
| **Health & Safety** | EN IEC 62368-1:2020+A11:2020,<br>IEC 62368-1:2018 |
| **EMC** | EN 55032:2015+A11:2020; EN 55035:2017+A11:2020;<br>EN 50121-3-2:2016 |
| **RoHS** | EN IEC 63000:2018 |

Note: These component level power supplies are intended exclusively for inclusion within other equipment. Protection against electric shock and Electromagnetic Compatibility (EMC) must be checked when the equipment is built-in a completed product or forms a part of a complete system.

An additional delta evaluation of the above-listed equipment concerning the differences between the requirements of the harmonized standard EN 62368-1:2014 (with all applicable corrections) and EN IEC 62368-1:2020, and IEC 62368-1:2018 has been performed and concludes that the safety objectives of the low-voltage targets (2014/35/EU) are met.

| | **Shenzhen, China** | **03/03/2025** |
|---|---|---|
| (manufacturer) | (place) | (date) |

Link Lu
Product Compliance Specialist

| | **Portland, Oregon, USA** | **03/03/2025** |
|---|---|---|
| (manufacturer) | (place) | (date) |

Editha Vergara
Global Director, Safety, Environmental

## MODEL LIST

PST50W-36-SXXB, PST50W-36-SXXBN, PST50W-36-SXXB-O, PST50W-36-SXXBN-O, PST50W-36-SXXB-H, PST50W-36-SXXBN-H, PST50W-36-SXXB-H-DIN, PST50W-36-SXXBN-H-DIN (where XX = 12, 15, 24, 28, 48 denote output voltage)

| Model | Input voltage (typ.) | Input voltage (range) | Output voltage (Vdc) |
|---|---|---|---|
| PST50W-36-S12B | 36 | 9.5-75 | 12 |
| PST50W-36-S15B | 36 | 9.5-75 | 15 |
| PST50W-36-S24B | 36 | 9.5-75 | 24 |
| PST50W-36-S28B | 36 | 9.5-75 | 28 |
| PST50W-36-S48B | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12BN | 36 | 9.5-75 | 12 |
| PST50W-36-S15BN | 36 | 9.5-75 | 15 |
| PST50W-36-S24BN | 36 | 9.5-75 | 24 |
| PST50W-36-S28BN | 36 | 9.5-75 | 28 |
| PST50W-36-S48BN | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12B-O | 36 | 9.5-75 | 12 |
| PST50W-36-S15B-O | 36 | 9.5-75 | 15 |
| PST50W-36-S24B-O | 36 | 9.5-75 | 24 |
| PST50W-36-S28B-O | 36 | 9.5-75 | 28 |
| PST50W-36-S48B-O | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12BN-O | 36 | 9.5-75 | 12 |
| PST50W-36-S15BN-O | 36 | 9.5-75 | 15 |
| PST50W-36-S24BN-O | 36 | 9.5-75 | 24 |
| PST50W-36-S28BN-O | 36 | 9.5-75 | 28 |
| PST50W-36-S48BN-O | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12B-H | 36 | 9.5-75 | 12 |
| PST50W-36-S15B-H | 36 | 9.5-75 | 15 |
| PST50W-36-S24B-H | 36 | 9.5-75 | 24 |
| PST50W-36-S28B-H | 36 | 9.5-75 | 28 |
| PST50W-36-S48B-H | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12BN-H | 36 | 9.5-75 | 12 |
| PST50W-36-S15BN-H | 36 | 9.5-75 | 15 |
| PST50W-36-S24BN-H | 36 | 9.5-75 | 24 |
| PST50W-36-S28BN-H | 36 | 9.5-75 | 28 |
| PST50W-36-S48BN-H | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12B-H-DIN | 36 | 9.5-75 | 12 |
| PST50W-36-S15B-H-DIN | 36 | 9.5-75 | 15 |
| PST50W-36-S24B-H-DIN | 36 | 9.5-75 | 24 |
| PST50W-36-S28B-H-DIN | 36 | 9.5-75 | 28 |
| PST50W-36-S48B-H-DIN | 36 | 9.5-75 | 48 |
| | | | |
| PST50W-36-S12BN-H-DIN | 36 | 9.5-75 | 12 |
| PST50W-36-S15BN-H-DIN | 36 | 9.5-75 | 15 |
| PST50W-36-S24BN-H-DIN | 36 | 9.5-75 | 24 |
| PST50W-36-S28BN-H-DIN | 36 | 9.5-75 | 28 |
| PST50W-36-S48BN-H-DIN | 36 | 9.5-75 | 48 |
| Note: Model name maybe followed by additional characters as described on below model naming configuration. | | | |

## Model Naming Configuration

| PST50W | - | XX | - | S | XX | B | X | - | X | X | - | XXX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I | - | II | - | | III | IV | V | | VI | VII | | VIII |

| | | | |
|---|---|---|---|
| I | – | Base Number: | PST50W |
| II | – | Nom. Input Voltage: | 36 = 36 V |
| III | – | Output Voltage: | 12 = 12 V; 15 = 15 V; 24 = 24 V; 28 = 28 V; 48 = 48 V |
| IV | – | Base Plate: | B = base plate |
| V | – | Remote on/off: | blank = positive logic; N = negative logic |
| VI | – | Heatsink: | blank = no heatsink; H = with heatsink |
| VII | – | Frame: | blank = with case; O = no case |
| VIII | – | Mounting style: | blank = chassis mount; DIN = DIN-rail mount |

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 10/31/23 |
| 1.01 | Update CUI address | 03/03/25 |

The revision history provided is for informational purposes only and is believed to be accurate.