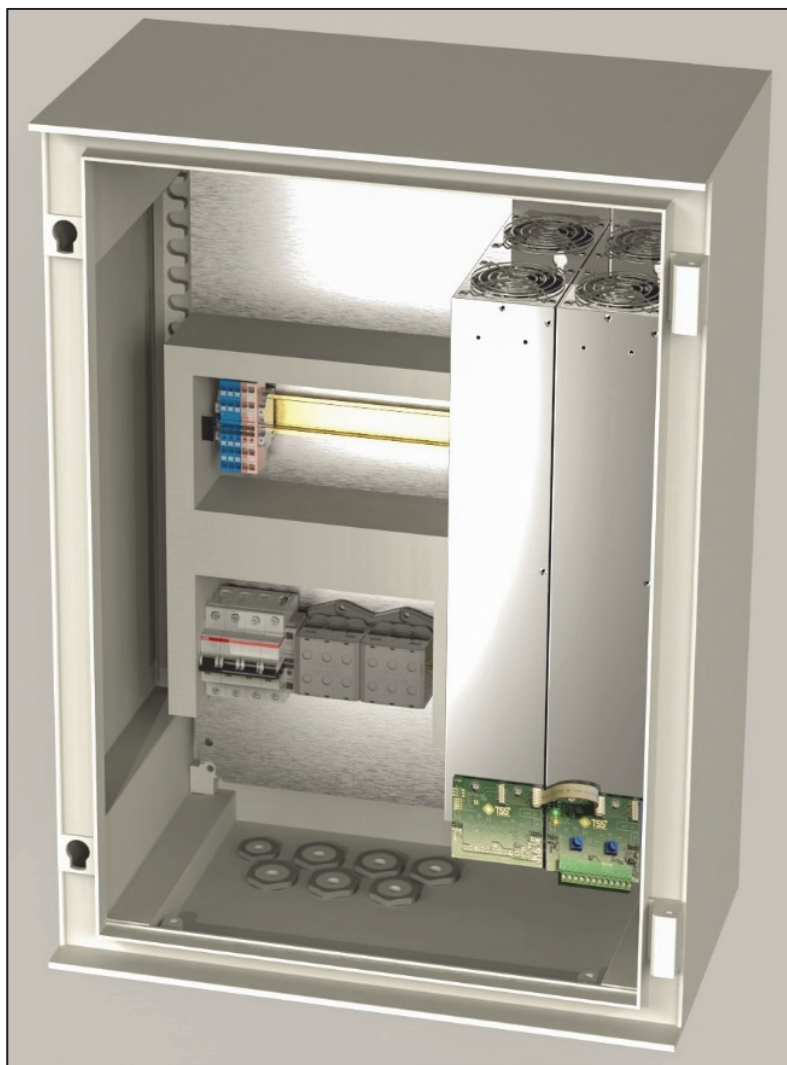


# infinitem E2 Rectifier Box

With 35+ year experience in the design and supply of off-grid Solar Energy Systems TSS has developed a modular, upgradable rectifier box. As part of the infinitem range, it manages the multiple energy sources.



## Cost effective battery charging

Customizable design with adjustable output voltage, current and power. 3-Phase AC input and scalable output up to 10kW.

## Small and large rectifier

Modular design allowing future expansion. Adapting the correct capacity to your requirement at any time.

## Protections

Protecting short circuit, overload, over-voltage, over- temperature and fan failure.

## infinitum E2 Rectifier Box

Electrical characteristics	
Supply voltage 3ph+N	340 - 530 Vac
Frequency	47 - 63 Hz
Maximum efficiency	91 %
Nominal output voltage	48 Vdc
Maximum output current	105/210 Adc
Maximum output power	5,040/10,080 W
Incoming MCB	25A-4ph
Protections	Short circuit Overload Over voltage Over temperature Fan fail

Monitoring and control	
Voltage control range	48.0 - 57.6 Vdc
Current control range	20 - 100 %
Remote control	On/Off
Alarm output (over temperature - fan failure - AC input failure)	NO relay contact & LED indication
DC output OK	NO relay contact & LED indication
NO relay contact	30 Vdc / 1A

Cable entry	
Input power cable	1x M25
Output power cable	6x M32

General specifications	
Operating temperature	-20° C to +60° C
Storage temperature	-30° C to +85° C
Enclosure material	GRP
Dimensions (H x W x D)	747 x 536 x 300 mm
Unit weight	25 kg
Mounting	Indoor and outdoor
IP degree	IP55
Approvals	CE
Standards	IEC 61000-6-2, EN 55024 EN 55032 (CISPR32)