

5 kW AC/DC charger/rectifier

The unit is a 5 kW single output enclosed type AC/DC charger/rectifier. This unit operates for a wide input range: single phase 196-305 Vac or three phase 4-wire/Y 340-530 Vac. The unit is cooled by the built-in fan with fan speed control, working for temperatures up to 70°C.

Cost effective battery charging

Modular design with adjustable output voltage and output current. Can be placed in horizontal as well as vertical position in order to save space.

Scalable design

Active current sharing between units up to 20 kW.

High Temperature Performance

Controller is equipped with an industry standard Modbus TCP/IP interface for easy and reliable remote monitoring.

Protections

- Short circuit
- Overload
- Over voltage
- Over temperature
- Fan fail



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Electrical Characteristics	
Supply voltage 3ph+N	340 - 530 Vac
Supply voltage 1ph	196 - 305 Vac
Frequency	47 - 63 Hz
Max. efficiency	91 %
Nominal output voltage	24 / 48 Vdc
Maximum output current	200 / 105 Adc
Maximum output power	4,800 / 5,040 W

Electrical Characteristics	
Current and voltage control	0 - 5 Vdc
Current and voltage control	0 - 20 mAdc (4-20 mAdc: 20-100%)
Voltage control range	24.0 - 28.8 Vdc / 48.0 - 57.6 Vdc
Current control range	20 - 100 %
Remote control	On/Off
Alarm output <i>(over temperature - fan failure - AC input failure)</i>	NO relay contact & LED indication
DC output OK	NO relay contact & LED indication
NO relay contact	30 Vdc / 1 Adc

Additional data	
Operating Temperature	-20°C ~ +70°C
Storage temperature	-30°C ~ +85°C
Mounting	Indoor
Approvals	CE
Standards	EN 55024, IEC 61000-6-2, EN 55032 (CISPR32)

Dimensions and weight	
Dimensions (L x W x H)	50.0 x 21.1 x 8.4 cm
Weight	11 Kg