

## Omnicharge Programmable Battery charger

### FEATURES

- mode Switch technology for high efficiency, lightweight and quiet operation
- Three full current outputs
- Industrial design
- Universal power factor corrected auto ranging AC input
- Parallel capability up to 6 units
- Protected against battery failure, high temperature, overload, short circuit, low input voltage and reverse polarity
- Multistage intelligent charging programs
- Programmable charging programs up to 8 stages
- Remote on/off capability, by Universal Remote Control or Basic Remote Control (option)
- Temperature sensor included
- Easy to access connection bay for installing AC-DC and control wiring
- CE certified
- European product
- 2 year warranty



**50 AMP**

### TECHNICAL SPECIFICATIONS

MODEL	OC24-50
AC Input Voltage	100-260Vac / 47-63Hz / PF > 0.90
Full Load Power Consumption	1700VA
AC Input Current (115V/230V)	15A / 7,5A
Total DC Output current <sup>1) 4)</sup>	50A
Nominal DC output voltage <sup>1)</sup>	24Vdc
Number of full Current Outputs	3 (internally isolated)
Charge Characteristic <sup>2)</sup>	IUoUoP, intelligent 4-stage, temperature compensated
Standard Absorption Voltage <sup>2)</sup>	28,8Vdc
Standard Float Voltage <sup>2)</sup>	27Vdc
Standard Equalize Voltage <sup>2)</sup>	31,6Vdc
Supported Battery Types <sup>2)</sup>	Flooded / GEL / AGM / LiFePO4 / Custom
Recommended Battery Capacity <sup>3)</sup>	100-500Ah
DC Current Draw (charger off)	< 0,1mA
Operating Temp. Range	-10°C...+55°C (humidity max. 90% non condensing)
Storage Temp. Range	-20°C...+70°C (humidity max. 90% non condensing)
Cooling	Variable speed fan controlled by temperature and load
SAMLEXLink enabled	Yes
Protections Against	Low AC voltage, output short circuit, high temperature, battery overcharging and reverse polarity (fuse)
Indications	Power On, Output Current Bar, State of Charge Bar, Error
DC Output Connections	4x M8 bolts
AC Input Connections	Screw terminals
Enclosure Body size (HxWxD)	370x271x132mm
Total Weight	6,2 Kgs
Protection Class	IP21 (mounted in upright position)
Standards	EMC : EN55016-2-1(/A1), EN55016-2- 3(/A1), EN 61000-4-2(3/4/5/6). Safety : EN60335-1, EN60335-2-29

1) Maximum output current tolerance is +/-5%. Maximum set point voltage deviations are +/-1%. All set point voltages are temperature compensated when the battery temperature sensor is connected.

2) Value is programmable.

3) Always consult battery manufacturers specifications for maximum allowable charge current.

4) At higher ambient temperatures (>40°C), maximum output current may be reduced automatically.

Technical Specifications subject to change without notification.

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