



Omnicharge² Programmable Battery charger



FEATURES

- Three full current outputs (Individually programmable)
- Robust industrial design
- Clear backlit display for easy readout and configuration
- Designed for continuous duty charging
- Very efficient
- Universal power factor corrected auto ranging AC input
- No charge current derating at 115VAC input
- Protected against battery failure, high temperature, overload, short circuit, low input voltage and reverse polarity
- Protects the battery from being overcharged
- Variable speed fan for low noise operation
- Remote on/off capability (for interfacing to external BMS)
- QuickLink communication port
- Night Mode for silent operation
- Easy to access connection bay for installing AC-, DC and control wiring
- Temperature sensor included
- CE certified
- 24 month warranty

APPLICATIONS

- Recreational vehicles
- Marine applications
- Industrial systems
- Mobile entertainment systems
- Service vehicles
- Remote homes

TECHNICAL SPECIFICATIONS

Model	OC ² 24-20
AC input voltage	90-265Vac / 47-63Hz / PF ≥ 0.95
Full load power consumption	700VA
AC input current (115V/230V)	6A / 3A
Total DC output current ^{1) 4)}	20A
Nominal DC output voltage ¹⁾	24Vdc
Number of full current outputs	3 (internally isolated, individually programmable)
Charge characteristic	IUoUoP, intelligent 4-stage, temp. compensated
Bulk/Absorption voltage range ²⁾	27.8 – 30.0Vdc
Float voltage range ²⁾	26.0 – 28.0Vdc
Equalize voltage ²⁾	31.6Vdc
Supported battery range ²⁾	Flooded / Gel / AGM / LiFePO4
Max. battery capacity ³⁾	200Ah
Operating temp. Range	-20°C...+60°C (humidity max. 90% non condensing)
Storage temp. Range	-40°C...+70°C (humidity max. 90% non condensing)
Cooling	Variable speed fan
Communication port	Samlex QuickLink
Protections	Low AC input voltage, output short circuit, high temperature, battery overcharging and reverse polarity
Indications	LCD showing charging status, voltage and current

Technical Specifications subject to change without notification.

TECHNICAL SPECIFICATIONS

DC output connections	4x M6 studs
AC input connections	Fixed AC cord with plug (1.5m length)
Enclosure body size (HxWxD)	295 x 206 x 86mm
Total weight	3.0kg
Protection class	IP32 (mounted in upright position)
Standards	CE marked. EMC : EN55014-1, EN55014-2, EN 61000-4-2(3/4/5/6). Safety : EN60335-1, EN60335-2-29

- ¹⁾ Maximum output current tolerance is +/-10%. 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 minimum and maximum allowable charge current.
- ⁴⁾ At higher ambient temperatures (>40°C), maximum output current may be reduced automatically.

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