

Overview

GoMate is a 30A negative-ground, flush mount solar charge controller, designed for an aesthetically clean and integrated look on RV and Vessel. The GoMate adopts highly efficient PWM charging mode also comes equipped with special LCD display to show the real-time operating status of the system. The RS485 is used to communicate with the EPEVER WIFI module, Bluetooth adapter, and PC software.

Features

- Flush mounted and embedded installation design
- 3-Stage Intelligent PWM charging: Bulk, Boost/Equalize, and Float
- Battery type: Sealed, Gel, Flooded, and User
- Real-time energy statistics feature
- Battery temperature compensation feature
- Digital LCD monitor for informative display of operational parameters and fault messages
- Voltage drop and temperature compensation sampling interface design
- RS485 communication port with Modbus protocol, and short circuit protection for 5V/200mA power supply
- Rated charging current at working temperature without de-rating
- Extensive electronic protections
- Monitor and set the parameters via PC software or APP



Solar Car



Solar Boat

Technical Specifications

Model	GM3024N
Nominal system voltage	12/24VDC/Auto
Battery type	Sealed(Default)/Gel/Flooded/User
Battery input voltage range	8V ~ 32V
Rated charge current	30A
Max. PV open circuit voltage	50V
Equalization voltage	Sealed: 14.6V, Flooded: 14.8V
Boost voltage	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V
Float voltage	Gel/ Sealed/ Flooded: 13.8V
Self-consumption	≤4.2mA/ 12V; ≤2.6mA/ 24V
Temperature compensation	- -3mV/°C/ 2V(Default)
Operating temperature range	- -20°C ~ +55°C
Relative humidity	≤95%, N.C.
Enclosure	IP30
Communication interface	RS485(RJ45)
Grounding	Common negative
Dimensions(LxWxH)(mm)	178.5×105.5×48.3
Net Weight	0.31kg