



Shiner Series

MPPT solar power Charging
& Discharging controller

Shiner2460

FEATURE

- ☐ Connectable to both PV, battery and load
- ☐ Highly integrated to save installation space and wiring for the user
- ☐ Supports various communication methods
- ☐ Adopting high quality aluminium heat dissipation to ensure reliable and efficient operation.
- ☐ Supports 17 kinds of load working modes

ABOUT SRNE

- ☐ SRNE 15 years in PV industry, committed to independent R&D and production.
- ☐ Holds over 200 patents in energy storage, with unique industry-leading technologies.
- ☐ Chooses top-quality international components to deliver high-value products to customers.
- ☐ Upholds values of customer priority, proactivity, responsibility, and innovative breakthroughs.

MODEL		Shiner2460
PV INPUT		
Max.Voltage of Open Circuit		100Vdc
MPPT Voltage Range		(Battery voltage+2V)~72Vdc
Max.PV Input Power		800W/12V 1600W/24V
BATTERY		
Battery Type		Lead-acid / Li-ion / User Defined
Rated Battery Voltage		12/24Vdc
Battery Voltage Range		8~32Vdc
Rated Charging Current		60A
MPPT Charging Mode		Buck
LOAD		
Load Type		Resistive load 、 Capacitive load、 Inductive load
Rated Load Voltage		Equal to battery voltage 12V/24/36/48V
Rated Load Current		20A
Load Working Mode		Light control,Light control + Time control, manual control (default), Debugging mode, Normal open
EFFICIENCY		
MPPT Tracking Efficiency		>99%
Max. Charging Conversion Efficiency		85%~98%(Correspond load power10%~100%)
COMMUNICATION		
TTL、 RS485 (default)		TTL Baud rate 9600kps , RS485 RJ45 port
CAN (optional)		RJ45 port, RV-C protocol
Bluetooth (optional)		External module BT-2 with mobile app
GENERAL		
Weight		2.4Kg
Dimension		261*186*82mm
Protection Degree		IP32
Operating Temperature Range		-35°C~65°C
Cetification		RoHS/IEC62109/CE-RED
PROTECTION		

It is equipped with equipment over-temperature protection, battery over-temperature protection, input over-power protection, PV input over-voltage, PV input reverse connection protection, and night-time anti-reverse charging protection.

