SRNE



NEW
BEST QUALITY

Shiner series

solar charge controller

Shiner2410/2420/2430/2440/2460/4820

12/24/36/48V | 60/100V | IP32 | Mobile APP

For off-grid application

- Can be connected to both PV 、battery and load
- Multiple load operating modes to meet diverse needs

All-in-One

- Supports multiple battery types
- Highly integarted, helps you save space and wire

User-Friendly

- Easy to install and simple to use
- Natural cooling, absolutely quiet

Efficient

- MPPT with up to 99.9% efficiency
- Support solar panel 2 in series/more in parallel

Safety

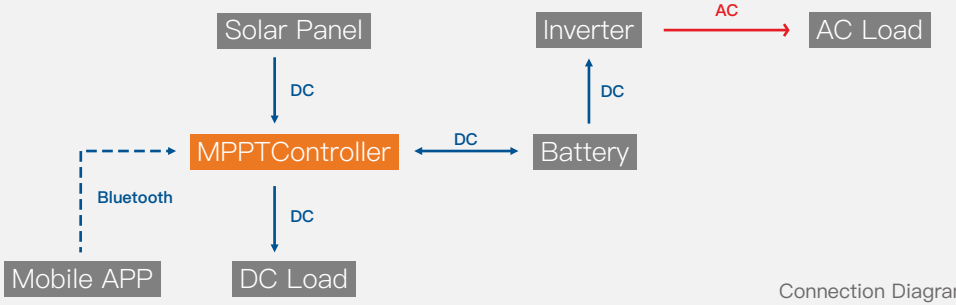
- Complete charge and discharge protection mechanism
- High quality components for stable operation

Intelligent

- Supports TTL RS485 and CAN (RV-C protocol)
- Supports Bluetooth with mobile APP

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MODEL	Shiner2410	Shiner2420	Shiner2430	Shiner2440	Shiner2460	Shiner4820	CAN BE SET
PV INPUT							
Max.Voltage of Open Circuit	60Vdc		100Vdc				
MPPT Voltage Range	(Battery voltage+2V)~45Vdc		(Battery voltage+2V)~72Vdc				
Max.PV Input Power	130W/12V 260W/24V	260W/12V 520W/24V	400W/12V 800W/24V	520W/12V 1040W/24V	800W/12V 1600W/24V	260W/12V 520W/24V 780W/36V 1040W/48V	✓
BATTERY							
Battery Type	Lead-acid / Li-ion / User Defined						✓
Rated Battery Voltage	12/24Vdc					12/24/36/48Vdc	
Battery Voltage Range	8~32Vdc					8~64Vdc	✓
Rated Charging Current	10A	20A	30A	40A	60A	20A	✓
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	10A	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	350g(0.77lb)	650g(1.43lb)	1.2Kg(2.64lb)	1750g(3.85lb)	2.4Kg(5.3lb)	750g	
Dimension	155*99*41.7mm (6.1*3.8*1.6in)	181*118*61.7mm (7.1*4.6*2.4in)	187*133*72mm (7.3*5.2*2.8in)	228*160*72mm (8.9*6.2*2.8in)	261*186*82mm (10.23.9*7.3*3.2in)	181*118*61.7mm (7.13*4.65*2.43in)	
Protection Degree	IP32						
Operating Temperature Range	-35°C~65°C (-31°F~149°F)						



Connection Diagram