



Shiner

MPPT solar charge controller

Shiner2410

Shiner2420



/ For off-grid application

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

/ User-Friendly

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

/ Safety

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

/ All-in-One

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

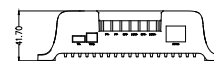
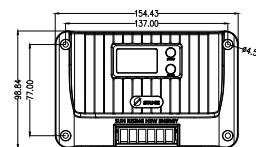
/ Efficient

- MPPT with up to 99.9% efficiency
- Support open circuit voltage up to 60V

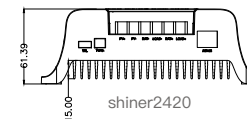
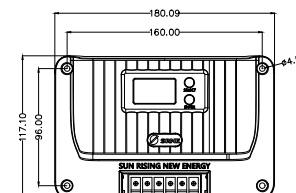
/ Intelligent

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

MODEL	Shiner2410	Shiner2420	CAN BE SET
PV INPUT			
Max.Voltage of Open Circuit	60Vdc		
MPPT Voltage Range	(Battery voltage+2V)~45Vdc		
Max.PV Input Power	130W / 12V bat 260W / 24V bat	260W / 12V bat 520W / 24V bat	Y
BATTERY			
Battery Type	Lead-acid / Li-ion / User Defined		Y
Rated Battery Voltage	12/24		
Battery Voltage Range	9~60Vdc		Y
Rated Charging Current	30A		Y
MPPT Charging Mode	Buck		
LOAD			
Load Type	Resistive load 、 Capacitive load、 Inductive load		
Rated Load Voltage	Equal to battery voltage 12V/24V		
Rated Load Current	10A	20A	
Load Working Mode	Light control,Light control + Time control, manual control (default), Debugging mode, Normal open		Y
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		Y
CAN (optional)	RJ45 port, RV-C protocol		Y
Bluetooth (optional)	External module with mobile app		
GENERAL			
Weight	350g(0.77lb)	650g(1.43lb)	
Dimension	155*99*41.7mm(6.1*3.8*1.6in)	181*118*61.7mm(7.1*4.6*2.4in)	
Protection Degree	IP32		
Operating Temperature Range	-35°C~65°C (-31°F~149°F)		



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