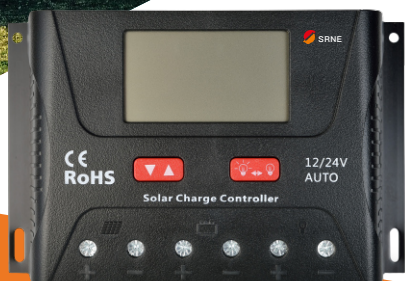




## HP series

Solar Charge Controller

HP2410/2420/2430/2440/2450/2460



### 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
- With large LCD screen

### Safety

- Complete multi-stage PWM charging management
- 360 degrees of security from hardware to software

### All-in-One

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

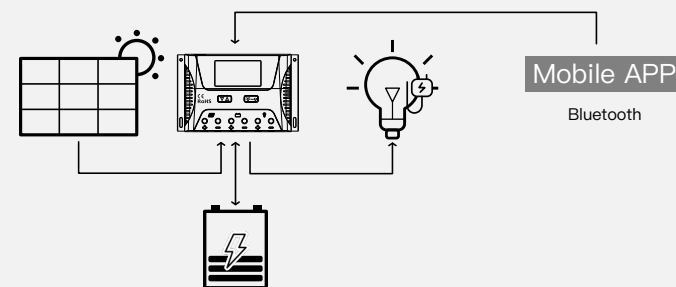
### Reliable

- With industrial grade design
- TVS lighting protection is adopted

### Intelligent

- Supports power-down saving functions
- Automatic battery voltage identification

MODEL	HP2410	HP2420	HP2430	HP2440	HP2450	HP2460	Can Be Set
<b>PV INPUT</b>							
Max.Voltage of Open Circuit	55Vdc						
Max.PV Input Power	150W/12V 300W/24V	300W/12V 600W/24V	450W/12V 900W/24V	600W/12V 1200W/24V	750W/12V 1500W/24V	900W/12V 1800W/24V	✓
<b>BATTERY</b>							
Battery Type	Lead-acid / Li-ion / User Defined						✓
Rated Battery Voltage	12/24Vdc						
Battery Voltage Range	9~34Vdc						
Rated Charging Current	10A	20A	30A	40A	50A	60A	✓
Charging Mode	PWM charging is the default mode						
<b>LOAD</b>							
Load Working Mode	Light control, Light control + Time control, Manual control, Debugging mode (default), Normal open						✓
<b>COMMUNICATION</b>							
Optional	Bluetooth、TTL						
<b>GENERAL</b>							
Weight	100g (0.22lb)	160g (0.35lb)	390g (0.86lb)	650g (1.43lb)			
Dimensions	103*71*36mm	130*75*38mm	164.0*103.5*47.0mm	189.27*127.2*54.0mm			
Protection Degree	IP30						
Operating Temperature Range	-25°C ~ +55°C (-13°F ~ 131°F)						



Wirting diagram