



HC series

Solar Charge Controller

HC2410-C/2420-C/2430-C/2440-C/2460-C/4840-C



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

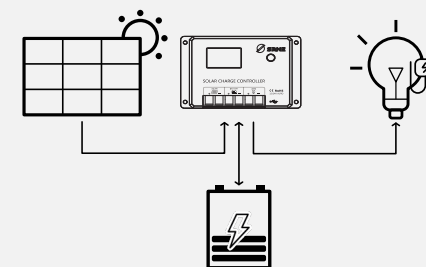
Reliable

- Equipped with dual MOS anti-backflow circuit
- Supports USB dual-port output

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Supports RS485 communication

MODEL	HC2410-C	HC2420-C	HC2430-C	HC2440-C	HC2460-C	HC4840-C	Can Be Set
PV INPUT							
Max.Voltage of Open Circuit	55Vdc					100Vdc	
Max.PV Input Power	150W/12V 300W/24V	300W/12V 600W/24V	450W/12V 900W/24V	600W/12V 1200W/24V	900W/12V 1800W/24V	600W/12V 1200W/24V 1800W/36V 2400W/48V	✓
BATTERY							
Battery Type	Lead-acid / Li-ion / User Defined						✓
Rated Battery Voltage	12/24Vdc					12/24/36/48Vdc	
Battery Voltage Range	9~32Vdc					9~64Vdc	
Rated Charging Current	10A	20A	30A	40A	60A	40A	✓
Charging Mode	PWM charging is the default mode						
LOAD							
Rated Load Current	10A	20A	30A	40A	60A	40A	
Load Working Mode	Light control,Light control + Time control, Manual control (default), Debugging mode, Normal open						✓
GENERAL							
Communication	RS485						
Weight	130g (0.29lb)	180g (0.40lb)	290g (0.64lb)	322g (0.71lb)	660g (1.46lb)		
Dimensions	120*75*34mm	134*85*36mm	159*100*39mm		193*131*55.2mm		
Protection Degree	IP32						
Operating Temperature Range	-35°C ~ +60°C (-31°F~140°F)						



Wiring diagram