



## LC series

### Solar Charge Controller

LC2430N10H



#### 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

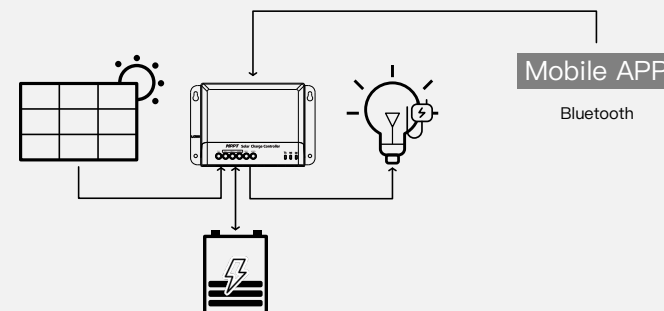
#### Efficient

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

#### Intelligent

- Supports TTL, RS485 communication
- Supports Bluetooth with mobile APP

MODEL	LC2430N10H	Can Be Set
<b>PV INPUT</b>		
Max.Voltage of Open Circuit	92Vdc	
MPPT Voltage Range	(Battery voltage+2V) ~ 72V	
Max.PV Input Power	400W/12V、800W/24V	✓
<b>BATTERY</b>		
Battery Type	Lead-acid / Li-ion / User Defined	✓
Rated Battery Voltage	12/24 Vdc	
Battery Voltage Range	9~32Vdc	✓
Rated Charging Current	30A	✓
MPPT Charging Mode	Buck	
<b>LOAD</b>		
Load Type	Resistive load、Capacitive load、Inductive load	
Rated Load Voltage	Equal to battery voltage 12V/24V	
Rated Load Power	100W	
Load Working Mode	Light control, Light control + Time control, Manual control (default), Debugging mode, Normal open	✓
<b>EFFICIENCY</b>		
MPPT Tracking Efficiency	>99%	
Max. Charging Conversion Efficiency	≤98%	
<b>ACCESSORIES</b>		
Optional	RS485 communications cable、RS485_8-core flat black cable with two crystal connectors	✓
<b>GENERAL</b>		
Communication	TTL/RS485	✓
Weight	1.2kg (2.65lb)	
Dimension	183*122.5*67.5mm (0.60*0.40*0.22ft)	
Protection Degree	IP32	
Operating Temperature Range	-35°C~65°C (-31°F~149°F)	



Wiring diagram