



Solar Charge Controller, 30A, 12V/24V, LCD Display, Light & Time Control, CE Certified

Key Specifications/Special Features:

- **Product introduction on features and functions:**
 - PY series controller is a kind of intelligent and multifunctional solar charge controller

- These serial products adopt customized LCD display screen, which makes the operation on the interface rather convenient
- All the controlling parameters can be reset flexibly to satisfy your different needs

- **PY series controller has the following features:**
 - Visual LCD graphic symbol
 - Brief key operation
 - Grade auto switch of system voltage
 - Intelligent PWM charging mode
 - Auto temperature compensation
 - Adjustable charging and discharging parameter
 - Settable working modes of loads
 - Accumulative function of charging and discharging AH
 - Remote monitoring function
 - Protection for battery back discharging
 - Protection for battery low voltage
 - Overloading and short-circuit protection
 - Battery reversed protection
 - Delayed auto restart after overloading protection

- **Installation:**
 - Get ready the related tools and cables
 - We suggest you choose the appropriate cables to ensure the current density $<4\text{A/mm}^2$ and this is good for reducing cable voltage drop
 - Recommendation: 30A use 10mm^2 cable, 50A/60A use 16mm^2 cable
 - Check whether installation place accords with the relative safety rules
 - Please avoid installing and using the controller under the following conditions: wet, dusty places or places with flammable and explosive gases
 - Install the controller at the vertical plane
 - Please refer to chapter 5 for more detailed info about the spacing between the installing holes
 - In order to make the controller have good thermal dissipation, please spare 10cm above and below the controller
 - As shown as the right figure, connect the loads, battery and solar panels with the controller in order
 - Pay attention to connect the loads, battery and solar panels right
 - Plug the external thermal sensor into the interface of the thermal-sensor on the left of the controller
 - If you need to use the remote monitoring function, please plug one side of the attached communication cable into the communication port which is on the right of the controller, and connect the other side with computer

- Disassemble: to avoid the accident, please dismantle the solar panels, battery, loads from the controller in order
- Attention: connecting the battery reversed will not damage the controller, but will cause safety risk on your loads

Primary Competitive Advantages:

- Country of Origin
- Electronic Link
- Experienced Staff
- International Approvals
- Packaging
- Price
- Product Performance
- Prompt Delivery
- Quality Approvals
- Reputation
- Service
- Multifunctional