



## Features:

- Innovative maximum Power point tracking technology can significantly improve the energy utilization rate of the solar System with a conversion efficiency of up to 97%
- Quickly scan the entire I-V curve, and efficiently track the maximum power point.
- Three types of lead-acid batteries, sealed, colloidal, and open type, and lithium battery series are optional
- With automatic Protection of overcharge, overdischarge, overload and short circuit.
- RS485 communication interface multi-machine communication is possible which is convenient for viewing the operating parameters of the controller



## TECHNICAL SPECIFICATIONS

MODEL	50A / 60A
Charging Mode	MPPT automatic maximum power tracking
Charging Method	MPPT tracks maximum power, fast charge, balanced charge, and float charge.
Lead Acid	(12V/24V/36V/48V/96V Auto + Adjustable 12V/24V/36V/48V/60V/72V/84V/96V)
Gel	12V/24V/36V/48V/60V/72V/ 84V/96V
LifePo 4	Single voltage 3.2 * number of strings (2 strings -45 strings adjustable)
Li-on	Single voltage 3.7 * number of strings (2 strings -45 strings adjustable)
USER	Adjustable limit voltage for equal charge, float charge and DC discharge: 8V -170V
With lithium battery activation function	With photovoltaic input, there is charging voltage (activate lithium battery), can be used without battery DC output
PV maximum open circuit input voltage	0--230V
The charging current is adjustable	0--50A 0--60A
Start charging	PV voltage is greater than + 3V of battery voltage (low current charging on rainy days)
Direct charging current output function	DC Continuous output 60A
Temperature compensation	According to the temperature of the battery, the voltage and current are automatically compensated to prolong the battery
Display communication	LCD display with touch button: (generating Capacity / photovoltaic voltage / battery voltage / charging current / power / operation status) Chinese and English display Settings: (battery type, charging current, return to factory)
	8-pin RS485 communication interface (operation status and setting can be queried)
Working environment temperature	-20°C ~ 40°C
Protection level	IP 21
Altitude	0~3000m
Product Size	218x265x100mm