

## Features and function:

\*20A/30A/40A/60A/80A/100A /120A /150A

\*12V/24V、 12V/24V/48V、 48/96V automatic identification voltage.

\*The latest MPPT algorithm automatically tracks the maximum power point of the solar panel, tracking efficiency is up to 99% and the conversion efficiency is up to 98%.

\* DSP chip, digital with up to 12-bit precision guarantees the accuracy of MPPT.

\*PV input voltage range is wide, users can choose different numbers of solar panels according to actual conditions.

\*Under the maximum efficiency of energy collection conditions, fast charging, absorption charging, Pulse charging, etc. are maintained to maintain the battery life.

\*Support lead-acid battery / gel battery, lithium battery, and user-defined battery

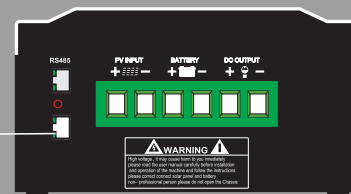
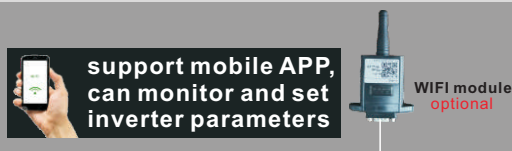
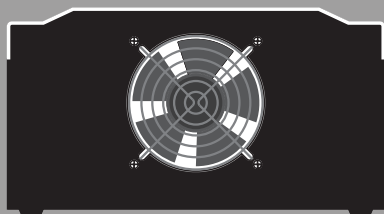
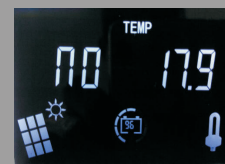
\*Can view PV voltage, PV power, battery voltage, charging current, operating temperature, fault code. The controller has overcharge, over discharge, overload, open circuit protection, over temperature protection, short circuit automatic protection



## LCD Display Information



NO	LCD caption
1	Solar input
2	Battery capacity%
3	Solar input current
4	Solar input voltage
5	DC output
6	SET/ESC Menu
7	UP
8	DOWN
9	ENTER



# Specification

Model	30A	40A	30A	40A	50A	60A	80A	100A	120A	150A	100A
System voltage	12V/24V		12V/24V/48V							48V/96V	
Charging type	MPPT automatic maximum power point tracking.										
Charging mode	fast charging, absorption charging, Pulse charging										
system mode	DC12V/24V/48V automatic							DC48V/96V automatic			
Efficiency	98%										
Battery voltage range	9V-16V(12VDC)										
	18V-30V(24VDC)										
	36V-60V ( 48VDC)										
	72V-120V ( 96VDC)										
<b>PV INPUT</b>											
Operating voltage and range	14-130VDC ( 12V SYSTEM) 38-130VDC ( 24V SYSTEM) 72-160VDC ( 48V SYSTEM) 144-280VDC ( 96V SYSTEM)										
Low voltage protection	16V ( 12V SYSTEM) 30V ( 24V SYSTEM) 60V ( 48V SYSTEM) 120V ( 96V SYSTEM)										
Low pressure recovery	22V ( 12V SYSTEM) 34V ( 24V SYSTEM) 65V ( 48V SYSTEM) 130V ( 96V SYSTEM)										
Overvoltage protection	135V ( 12V/24V SYSTEM) 160V ( 48V SYSTEM) 280V ( 96V SYSTEM)										
<b>Charging characteristics</b>											
Selectable battery type	Lead-acid battery, lithium battery										
Undervoltage shutdown	10.2V(12VDC)/20.4V(24VDC)/40.8V(48VDC)/81.6V(96VDC)										
Undervoltage recovery	11.5V(12VDC)/23V(24VDC)/46V(48VDC)/92V(96VDC)										
Battery overcharge protection	14V(12VDC)/28V(24VDC)/56V(48VDC)/112V(96VDC)										
Charging current	30A	40A	30A	40A	50A	60A	80A	100A	120A	150A	100A
Over temperature alarm	75°C										
Over temperature recovery	65°C										
size (MM)	160*140*50		320*200*100		330*250*110			390*260*140			
Packing size(MM)	200*160*65		330*200*110		340*260*120			470*355*205			
Weight ( KG)	1.2	1.4	2.2	2.2	3.2	3.2	3.5	10			



LCD display



Simple button operation



Protections



Small Size Light Weight



More Accurate More Intelligent