

WiFi Bluetooth Smart Home MPPT Solar Controller

Function:

- Connect with WiFi & Bluetooth.
- Advanced MPPT technology, with efficiency no less than 99.5%.
- Maximum DC/DC conversion efficiency of 98%.
- Support the lead-acid battery, gel battery, flooded battery, lithium battery.
- Support parameters setting via Smart LiFe APP.



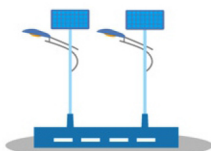
WiFi



Bluetooth



Solar RV

Household
solar energy

Solar street lamp

Solar Power
Generator

Solar boat

Item	NV-45A	NV-60A	NV-30A	NV-40A
System nominal voltage①	12/24V DC Auto		12/24/48V DC Auto	
Rated charge current	45A	60A	30A	40A
Battery voltage range	8~32V		8~68V	
Max.PV open circuit voltage	②110V③120V		②138V③150V	
MPPT voltage range	(Battery voltage + 2V)~85V		(Battery voltage + 2V)~108V	
Rated chargepower	600W/12V	800W/12V	390W/12V 780W/24V	600W/12V 1200W/24V
	1200W/24V	1600W/24V	1560W/48V	2400W/48V
Self-consumption	≤70mA(12V)40mA(24V)24mA(48V)			
LVD	11.0V ADJ 9V... 12V; X2/24V; X4/48V			
LVR	12.6V ADJ 11V... 13.5V; X2/24V; X4/48V			
Float voltage	13.8V ADJ 13V... 15V; X2/24V; X4/48V			
Boost voltage	14.4V;X2/24;X4/48V Battery Voltage less than 12.6V Start Boostchanging for 2hours (Li-battery not)			
MPPT tracking efficiency	≥99.5%			
Max. Conversion efficiency	98%			
Grounding	Common Negative			
Battery Type	Sealed (Default) /Gel/Flooded/LiFePO4/Li (NiCoMn) O2/User			
Temperature compensateCoefficient④	-4mv/°C/2V			
Dry contact	Rated value;1A/30VDC;Max.value:0.5A/60VDC			
Communication method	RS485(5VDC/200mA)			