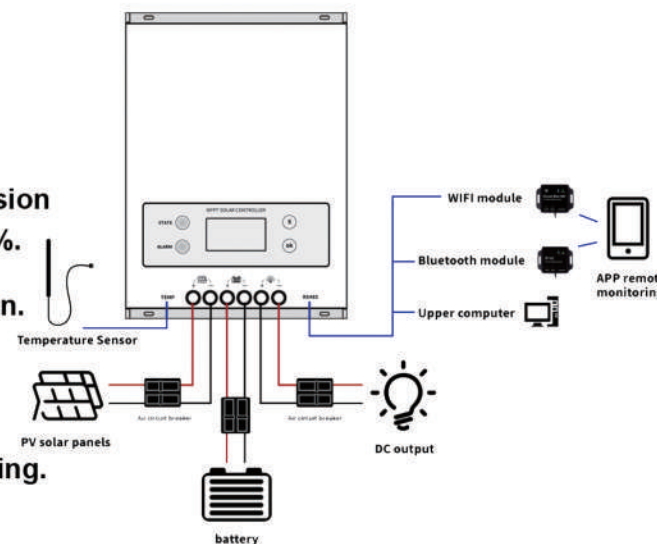


MPPT SOLAR CHARGE CONTROLLER

XTMPPT LITE SERIES



- ✓ The MPPT efficiency is $\geq 99.5\%$, and the conversion efficiency of the whole machine is as high as 98%.
- ✓ Built-in lithium battery activated wake-up function.
- ✓ A variety of battery (including lithium battery) charging can be customized.
- ✓ Support host computer and APP remote monitoring.
- ✓ RS485 bus, unified integrated management and secondary development.
- ✓ Ultra-quiet air-cooled design, more stable operation.
- ✓ A variety of protection functions, small body is very useful.



Technical Data

		NPV 4840LITE	NPV 4850LITE	NPV 4860LITE	HPV 4850LITE	HPV 4860LITE	HPV 4880LITE	HPV 48100LITE
Product Category	Controller type	Controller with Maximum Power Point Tracking (MPPT)						
	MPPT efficiency	$\geq 99.5\%$						
	No-load static loss	1W~1.2W						
	system voltage	12V/24V/48V Auto						
	Cooling method	Fan cooling						
Input characteristics	PV Maximum Open Circuit Voltage (VOC)	150Vdc		200Vdc		250Vdc		
	Start charging voltage point	3V higher than battery voltage						
	Input low voltage protection point	2V higher than the current battery voltage						
	Input overvoltage protection point	150Vdc		200Vdc		250Vdc		
	Rated input power	12V system	520W	650W	780W	650W	780W	1040W
24V system		1040W	1300W	1560W	1300W	1560W	2080W	2600W
36V system		1560W	1950W	2340W	1950W	2340W	3120W	3900W
48V system		2080W	2600W	3120W	2600W	3120W	4160W	5200W
Charging characteristics	Applicable battery type	Lead-acid battery / Li-ion battery						
	Lithium battery activation function	Optional						
	Charge rated current	40A	50A	60A	50A	60A	80A	100A
	charging method	Lead-acid battery: fast charge, equal charge, floating charge; lithium battery: fast charge, equal charge						
Load characteristics	load voltage	same battery voltage						
	Rated load current	30A					50A	
	Load control method	Normally open and normally closed mode/dual period control mode/light control mode/light control-fixed time control mode						
Display/Communication	Display method	High-definition LCD segment code backlight display						
	communication method	8-pin RJ45 interface/RS485/support host computer monitoring/support external Bluetooth, WIFI module expansion to realize app cloud monitoring/support external monitoring header						
other properties	Protective function	Input and output over-voltage protection, anti-reverse connection protection, battery drop protection, etc.						
	Working temperature	$-20^{\circ}\text{C}\sim+55^{\circ}\text{C}$						
	Storage temperature	$-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$						
	IP protection class	IP21						
	Maximum wire size	20mm ²					25mm ²	
	Net weight (kg)	1.7					3.4	
	Gross weight (kg)	2.1					4	
Product size (mm)	240*166*65					305*200*85		
Packaging size (mm)	315*215*108					366*240*125		