



### ☑ Innovative features

- ▶ solar inverter with built-in MPPT controller
- ▶ inverter with built-in MPPT controller consist of:solar controller,pure sine wave inverter etc.
- ▶ Solar MPPT controller : it is the important part of solar system, discharge and work of load are all by its intelligent control and protection, its performance directly affects the reliability of the system, especially the battery life, overcharge or over discharge the battery will cause harm or even fatal injuries.
- ▶ Inverter : In solar system,if need to work AC load, inverter is needed, transfer DC power from solar panel or battery to AC power of the load need.

### ☑ Feature :

- ▶ True short circuit protection, no matter how long short circuit, electronic application also can be safty.
- ▶ Multiple plug design , adapt any plug.
- ▶ Multiple protection against under-voltage, over-load, over-current, high temperature, high voltage, short-circuit, ensure the safety of machine and electrical appliance.
- ▶ Advanced Circuit design, high quality imported component, low thermal diffusion, low repair rate.
- ▶ Particular SMD+module processing technology,stable charateristic.



## Solar Inverter with built-in Mppt controller

Mode	NKP500
Rated Power	500W
Battery Voltage	12V
Charge Current	MAX 15A
Transfer Time	≤3ms
Chassis Size	385*145*240mm
Outer Packing	425*185*280mm
Net Weight	8kg
Gross Weight	9kg
Input Voltage	110/220VAC(+25%, -36%)
Frequency	45Hz~54Hz
Output Voltage	Main power mode:110/220VAC(+11%, -13%) Inverter mode:110/220VAC(±3%)
Frequency	Main power mode:same frequency Inverter mode: 50Hz±0.5
Wave Form	Sine wave
Display	LCD Display
Charge Protection	By TOP charging, speed up the batter charging speed, estend battery life
Overload Protection	Overlaod under battery mode, 100% load - Alarm; Overload 110%-Auto shut down after 30s
Charge Current Protection	Output short-circuit the INV automatically shut down output
Low Protection	The inverter automatically shut down, it will charge automatically when main power recoverd
<b>MPPT Controller</b>	
Rated current	20A/30A
Rated voltage	12V
PV Ceiling voltage	200V
Floating pulse voltage	14.5V
Overshoot protection	14.7V
Overshoot recovery	14V
Undervoltage protection	10.5V
Undervoltage recovery	14V



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## Solar Inverter with built-in Mppt controller

Mode	NKP500
Rated Power	500W
Battery Voltage	24V
Charge Current	MAX 15A
Transfer Time	≤3ms
Chassis Size	385*145*240mm
Outer Packing	425*185*280mm
Net Weight	8kg
Gross Weight	9kg
Input Voltage	110/220VAC(+25%, -36%)
Frequency	45Hz~54Hz
Output Voltage	Main power mode:110/220VAC(+11%, -13%) Inverter mode:110/220VAC(±3%)
Frequency	Main power mode:same frequency Inverter mode: 50Hz±0.5
Wave Form	Sine wave
Display	LCD Display
Charge Protection	By TOP charging, speed up the batter charging speed, estend battery life
Overload Protection	Overlaod under battery mode, 100% load - Alarm; Overload 110%-Auto shut down after 30s
Charge Current Protection	Output short-circuit the INV automatically shut down output
Low Protection	The inverter automatically shut down, it will charge automatically when main power recoverd
	<b>MPPT Controller</b>
Rated current	20A/30A
Rated voltage	24V
PV Ceiling voltage	200V
Floating pulse voltage	29V
Overshoot protection	29.4V
Overshoot recovery	28V
Undervoltage protection	21V
Undervoltage recovery	28V