

**LOW FREQUENCY PURE SINE WAVE INVERTER**  
With built-in **MPPT** solar controller and AC charger



## Main Function

- Integrated solar charge, mains charge and inverter function,
- Power frequency circuit design, pure sine wave output, support the inductive load impact start;
- Digital signal processing chip intelligent management, the system go with high reliability;
- LCD display, can be intuitive display machine all operation parameters
- Low power consumption, high conversion efficiency, make full use of solar energy;
- With output short-circuit, overload, DC over voltage, undervoltage, overheating protection function etc;
- Battery over voltage, under voltage protection after recovery can be automatically restart, meet the requirements of the unattended site;
- Solar input switch, battery input switch, mains input/output can be reset by recovery fuse (quick start)
- Solar first or AC first optional

## Product application

Model No.	PRNZ-							
	1000TC	1250TC	1500TC	2000TC	3000TC			
<b>Solar</b>								
Charge controller	12V 60A	24V 30A	12V 80A	24V 40A	24V 60A	24V 60A	24V 80A	48V 45A
Controller over voltage protection	14.5-15V	29-30V	14.5-15V	29-30V	29-30V	29-30V	29-30V	58-60V
Controller voltage drop	< 5%							
Battery over voltage protection	10V±0.5V	20V±0.5V	10V±0.5V	20V±0.5V	20V±0.5V	20V±0.5V	20V±0.5V	40V±0.5V
Static loss	< 1%							
Max.PV open circuit voltage	100V	100V	100V	100V	100V	100V	100V	150V
Suggest Limited Max. PV of Solar Panel	800Wp	800Wp	1000Wp	1000Wp	1200Wp	1600Wp	2400Wp	2400Wp
<b>Power inverter</b>								
Rated power	800W	800W	1000W	1000W	1200W	1600W	2400W	2400W
Peak power	2400W	2400W	3000W	3000W	3600W	4800W	7200W	7200W
DC voltage	DC 12V	DC 24V	DC 12V	DC 24V	DC 24V	DC 24V	DC 24V	DC 48V
Utility charger	12V 30A	24V 20A	12V 30A	24V 30A	24V 30A	24V 30A	24V 30A	48V 30A
<b>System</b>								
Protection function	Over temperature, over load, short circuit protection							
<b>Environment</b>								
Temperature	-10°C ~ 50°C							
Humidity	0~90%RH							
<b>Structure</b>								
Product size(mm)	479x430x210							
Packing size(mm)	600x490x280							
<b>Weight ( kg )</b>								
N.W.	24.4	24.4	26.2	26.2	28.0	30.8	36.0	36.0
G.W.	28.0	28.0	29.0	29.0	31.5	34.3	40.0	40.0

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PRNZ-4000TC - 6250TC



PRNZ-4000TC - 6250TC



PRNZ-10000TC



PRNZ-10000TC



## Product application

Model No.	PRNZ-			
	4000TC	5000TC	6250TC	10000TC
<b>Solar</b>				
Charge controller	48V 60A	48V 90A	48V 120A	48V 180A
Controller over voltage protection	58-60V	58-60V	58-60V	58-60V
Controller voltage drop	< 5%			
Battery over voltage protection	40V±0.5V	40V±0.5V	40V±0.5V	40V±0.5V
Static loss	< 1%			
Max.PV open circuit voltage	150V	150V	150V	150V
Suggest Limited Max. PV of Solar Panel	3200Wp	4000Wp	5000Wp	7000Wp
<b>Power inverter</b>				
Rated power	3200W	4000W	5000W	7000W
Peak power	9600W	12000W	15000W	21000W
DC voltage	DC 48V	DC 48V	DC 48V	DC 48V
Utility charger	48V 30A	48V 30A	48V 50A	48V 50A
<b>System</b>				
Protection function	Over temperature, over load, short circuit protection			
<b>Environment</b>				
Temperature	-10°C ~ 50°C			
Humidity	0~90%RH			
<b>Structure</b>				
Product size(mm)	620x470x450			690x610x540
Packing size(mm)	700x550x540			770x710x620
<b>Weight ( kg )</b>				
N.W.	46.0	59.55	65.0	96.0
G.W.	49.0	64.65	68.0	102.3