

NEPTUNE

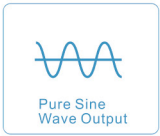
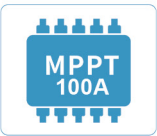
HYBRID SOLAR INVERTER

PT2000



FEATURE:

- **Built-in 100A MPPT charger**
- **Wide PV input voltage range(30~500VDC)**
- **BMS communication , support lithium battery**
- **Pure sine wave, good performance for all kind of appliances**
- **Working with battery**



APPLICATION:



Camping



Home



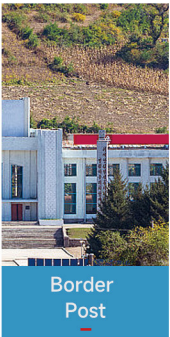
Grassland



Mountain
Power



Island



Border
Post

PT2000

-PARAMETERS-

PT 2000	
Phase	Single Phase
Nominal Voltage	220/230/240VAC
Voltage Range	90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)
Frequency Range	50Hz/60Hz(Adaptive)
OUTPUT	
Rated Power	1600W
Output Voltage(AC)	220/230/240VAC±5%
Output Frequency	50/60Hz±0.1%
Waveform	Pure Sine Wave
Transfer Time(Adjustable)	10ms for Computer , 20ms for Home Appliances
Peak Power	3200VA
Overload(Battery Mode)	105%~150% Load: 11s ; 150%~200% Load: 2s; >200% Load: 400ms
Peak Efficiency(Battery Mode)	>94%
BATTERY	
Battery Type	Lead-acid / Gel / Tubular /Lithium
Rated Voltage	12VDC
Constant Voltage Charging Voltage	14.1VDC (Adjustable)
Floating Charge Voltage	13.5VDC (Adjustable)
CHARGER	
PV Charging Method	Single MPPT
PV Max Input Power	2000W
MPPT Tracking Range	30~500 VDC
Best PV Voltage Range	300-400 VDC
Max PV Input Voltage	500 VDC
Max PV Input Current	13A
Max PV Charging Current	100A
Max AC Charging Current	60A
COMMUNICATION PORT	
RS232	For External WiFi device / Monitoring & Update
RS485	For BMS Communication
Dry Connect	Support sending signal to start generator
Parallel Connection	No
ENVIRONMENTAL PARAMETERS	
Operating environment temperature	-10~50℃
Operating environment humidity	20%~95% (Non condensing)
Storage temperature	-15~60℃
Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m
Noise	≤50db
Certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1, IEC 62109-2, IEC 61683