

NEUTRON

HYBRID SOLAR INVERTER

HE Series

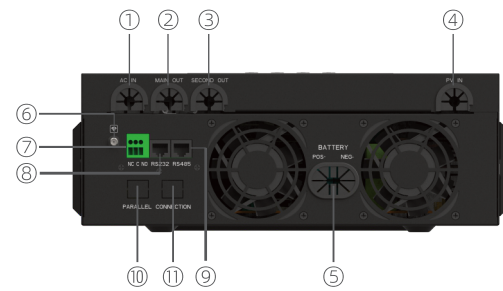


- Grid-tie with backup+off-grid
- Built-in MPPT solar charge controller
- Wide PV input voltage range 60-450 VDC
- Configurable AC/solar priority via LCD settings
Inverter can operate without battery(expect HE2K)
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional
- High efficiency
- BMS communication port

NTSI-LP1W-HE6K



Back panel description



1. AC input
2. Main output
3. Second output
4. PV input
5. Battery input
6. WiFi antenna port
7. Dry contact
8. RS-232 communication port
9. RS485 communication port
10. Parallel communication port
11. Parallel communication port

Home Energy Storage System



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Specification

Model Name	NTSI-LP1W-HE6K
Battery input data	
Battery Type	Lithium Battery or Lead Acid Battery
Rated battery voltage	48 VDC
Floating charging voltage	54 VDC
Overcharge protection voltage	63 VDC
Max. Charge/Discharge Current	120A
PV input data	
Maximum DC input power	6500W
Maximum DC input voltage	500 VDC
MPPT Operating voltage range	60-450 VDC
Starting voltage	About 70 VDC
Maximum input current	40A
MPPT number	1
AC output parameters	
Rated output apparent power	6000W
Maximum output apparent power	>150%, 5s;110%-150% 10s
Rated output voltage	220/230/240 Vac ± 5%
Selectable voltage range	170-280VAC (UPS) 90-280VAC(APL)
Rated output frequency	50Hz/60Hz (Auto sensing)
Max output current	27.0A
Operate without battery	YES
Solar and AC Charge	
Max solar charge current	100A
Max AC charge current	100A
Maximum charge current	120A
Efficiency	
Max efficiency (AC)	>99.0%(Full load with battery connect)
Max efficiency (Battery)	0.94
Physical	
Dimensions D*W*H(mm)	434*340*123
Package Size D*W*H(mm)	505*410*205
Net weight(kg)	9.6
Gross weight(kg)	10.6
Communication Interface	WIFI/RS485(BMS)
Environment	
Humidity	5% to 95% relative humidity (non-condensing)
Operating temperature	-10°C~55°C
Storage temperature	-15°C~60°C

*Product specifications are subject to change without further notice