

NEUTRON

HYBRID SOLAR INVERTER

HE Series

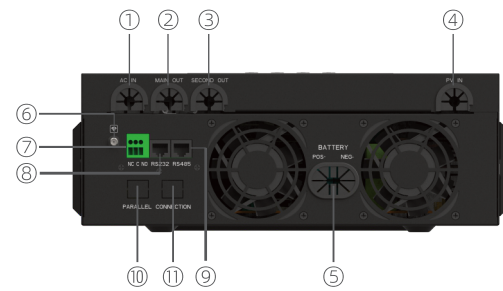


- Grid-tie with backup+off-grid
- Built-in MPPT solar charge controller
- Wide PV input voltage range 60-450 VDC
- Configurable AC/solar priority via LCD settings
Inverter can operate without battery(expect HE2K)
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional
-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

NTSI-LP1W-HE4K



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



NEUTRON

Specification

Model Name	NTSI-LP1W-HE4K
Battery input data	
Battery Type	Lithium Battery or Lead Acid Battery
Rated battery voltage	24 VDC
Floating charging voltage	27 VDC
Overcharge protection voltage	30.5 VDC
Max. Charge/Discharge Current	160A
PV input data	
Maximum DC input power	9000W
Maximum DC input voltage	500 VDC
MPPT Operating voltage range	60-450 VDC
Starting voltage	About 60 VDC
Maximum input current	27A
MPPT number	1
AC output parameters	
Rated output apparent power	3600W
Maximum output apparent power	>120%, 10s;102%-120%60s
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	18.3A
Operate without battery	YES
Solar and AC Charge	
Max solar charge current	160A
Max AC charge current	160A
Maximum charge current	160A
Efficiency	
Max efficiency (AC)	>99.0%(Full load with battery connect)
Max efficiency (Battery)	0.935
Physical	
Dimensions D*W*H(mm)	400*340*120
Package Size D*W*H(mm)	500*390*186
Net weight(kg)	8.4
Gross weight(kg)	9.4
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