

# NEUTRON

## HYBRID SOLAR INVERTER

### HE Series

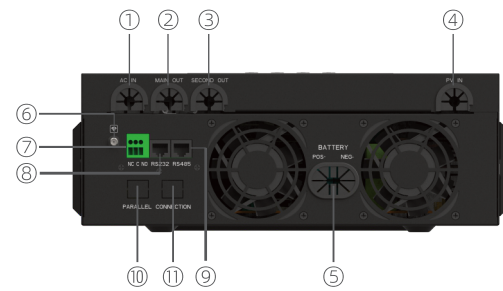


- Grid-tie with backup+off-grid
- Built-in MPPT solar charge controller
- Wide PV input voltage range 60-450 VDC
- Configurable AC/solar priority via LCD settings  
Inverter can operate without battery(expect HE2K)
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional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

NTSI-LP1W-HE2K



### 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-HE2K
<b>Battery input data</b>	
Battery Type	Lithium Battery or Lead Acid Battery
Rated battery voltage	12 VDC
Floating charging voltage	13.5 VDC
Overcharge protection voltage	15.5 VDC
Max. Charge/Discharge Current	60A
<b>PV input data</b>	
Maximum DC input power	3000W
Maximum DC input voltage	450 VDC
MPPT Operating voltage range	60-400 VDC
Starting voltage	About 60 VDC
Maximum input current	11A
MPPT number	1
<b>AC output parameters</b>	
Rated output apparent power	2000W
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	8.7A
Operate without battery	N/A
<b>Solar and AC Charge</b>	
Max solar charge current	60A
Max AC charge current	60A
Maximum charge current	60A
<b>Efficiency</b>	
Max efficiency (AC)	>99.0%(Full load with battery connect)
Max efficiency (Battery)	0.93
<b>Physical</b>	
Dimensions D*W*H(mm)	440*290*120
Package Size D*W*H(mm)	500*340*186
Net weight(kg)	7
Gross weight(kg)	8
Communication Interface	WIFI/RS485(BMS)
<b>Environment</b>	
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