

NEUTRON

HYBRID SOLAR INVERTER

HE Series

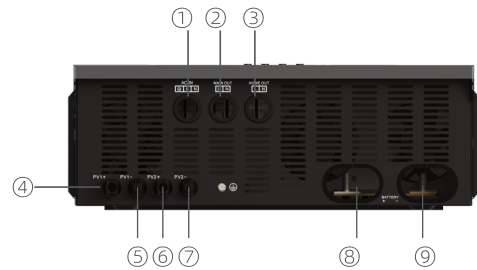


- Grid-tie with backup+off-grid
- Built-in MPPT solar charge controller
- Wide PV input voltage range 60-450 VDC
- Configurable AC/solar priority via LCD settings
- Inverter can operate without battery
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional
- High efficiency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

NTSI-LP1W-HE8K



Back panel description



1. AC input (Ground/L/N)
2. AC output (Main critical load, support battery back-up discharge)
3. AC output (Non-critical load, AC grid bypass & the excess solar energy can be fed back from this port.)
4. PV1+ input
5. PV1- input
6. PV2+ input
7. PV2- input
8. Battery + Terminal
9. Battery - Terminal

Home Energy Storage System



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Specification

Model Name	NTSI-LP1W-HE8K
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	150A
PV input data	
Maximum DC input power	5500W*2
Maximum DC input voltage	500 V
MPPT Operating voltage range	60-450 V
Starting voltage	About 70 VDC
Maximum input current	18A*2
MPPT number	2
AC output parameters	
Rated output apparent power	8200W
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	36A
Operate without battery	YES
Solar and AC Charge	
Max solar charge current	150A
Max AC charge current	120A
Maximum charge current	150A
Efficiency	
Max efficiency (AC)	>99.0%(Full load with battery connect)
Max efficiency (Battery)	0.94
Physical	
Dimensions D*W*H(mm)	545*402*142
Package Size D*W*H(mm)	615*500*250
Net weight(kg)	18
Gross weight(kg)	19
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