



ENERGY STORAGE INVERTER NH ULTRA

FEATURES : 4000VA-11000VA

- Lithium Battery Auto-restart Function More Convenient for Lithium Battttery Charging
- Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/ Mains/ Battery Power Shares
- Utility Charging Voltage/ PV Charging Voltage Adjustable Match Different Battery Charging Requirements
- Slim Body, Convenient Installation and Transportation
- Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- PF1.0, High Efficiency, Lower Consumption, Energy Conservation/ Environmental Protection / Electricity Saving/ Cost Saving
- Support Working without Battery: Reduce Solar System Coast
- Parallel Function UP to Maximum 9 Units: Enlarge More Loads
- High Precision of Output Voltage, +- 5%, Take Care of Your Appliances
- Communication Option: External WIFI, Supervise at any Time
- BMS Function For Lithium Battery

MODEL	NH4024SMHT	NH6248SMHPT	NH8648SMHT	NH11048SMHPT
Input Formation		L+N+PE		
AC Input		220/230/240VAC		
Input Voltage Range		90-280VAC± 3V (Normal Mode)185-264VAC± 3V (UPS Mode)		
Frequency		50/60Hz (Adaptive)		
Rated Power	4000 W	6200 W	8600 W	11000 W
Dual Output Power	4000W/4500W	6200 W/6500 W	8600 W/11000 W	8600 W/12000 W
Output Voltage (AC)		220/230/240VAC± 5%		
Output Frequency		50/60Hz± 0.1%		
Output Wave		Pure Sine Wave		
Transfer Time (Adjustable)		10ms for Computer Equipment, 20ms for Household Equipment		
Peak Power	8000VA	12400VA	17200VA	22000VA
Overload Ability		Battery Mode: 21s@102%~ 110% load 10s@110%~ 130% load 3s@130%- 150% load 400ms@>150% load		
Grid Connected Operation	Output Voltage	2200/230/240VAC ± 5% (Feed- in Grid Voltage Range: 195~ 253VAC)		
	Grid Voltage Range	170-265VAC		
	Grid Frequency Range	49-51± 1Hz/59-61± 1Hz		
	Power Factor Range	>0.99		
	Max Efficiency (DC/AC)	98%		
Rated Voltage	24VDC		48VDC	
Constant Charging Voltage	28.2VDC		56.4VDC	
Float Charging Voltage	27VDC		54VDC	
PV Charging Method		MPPT		2*MPPT
Max PV Input Power	6500W	8500W	2*6500W	2*7500W
PV Input Voltage Range	60~500VDC	60~500VDC	90~500VDC	90~500VDC
MAX PV Input Voltage	500VDC	500VDC	500VDC	500VDC
Nominal PV Input Current	27A	27A	27A/27A	27A/27A
MAX Input Current	36A	36A	36A	36A
MAX PV Charge Current	120A	120A	150A	150A
MAX AC Charge Current	100A	100A	150A	150A
MAX Charge Current	120A	120A	150A	150A
MAX Battery Discharge Current	165A	143A	165A	228A
Battery Voltage Range	21-32VDC	42-64VDC	42-64VDC	42-64VDC
LCD		Can display operating mode /load /input /output		
RS232		5 PIN/Pitch 2.54mm, Baud Rate 2400		
Expansion Slot Communication Interface		Lithium Battery BMS Communication Card, WIFI 2 x 5 PIN/Pitch 2.54mm		
Parallel Interface	Not Support Parallel		Support Parallel	
Operating Temperature			-10°C ~ 50° C	
Storage Temperature			-15°C ~ 60° C	
Ork Altitude		No more than 1000m, if 1000m<, Rate power will lower, MAX 4000m, Refer		
Operating Environment Humidity			Not condensing	
Protection Degree			IP21	
Noise			< 50dB	
L*W*H(mm)		483 x 313 x 143mm		570.8 x 471 x 148.2mm