



## FEATURES : 4000VA-11000VA

- Lithium Battery Auto-restart Function More Convenient for Lithium Battery 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

## ENERGY STORAGE INVERTER NH ULTRA

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	