

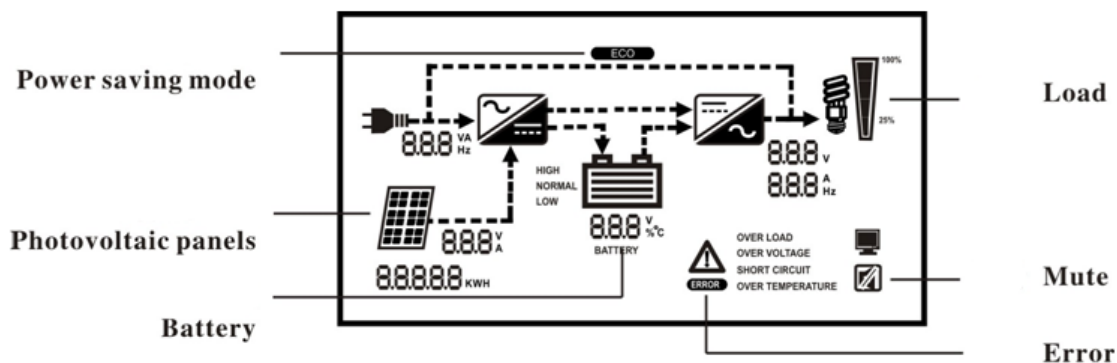
LN-H series solar integrated machine



Features

- Utilize industrial-grade intelligent design;
- Pure sine wave output, strong adaptable capacity of different load;
- LCD display. easy to check intuitively various technical parameters;
- Generating capacity cumulative function, can view real-time day generating capacity;
- Operating parameters can be set via keyboard;
- With overcharge, over discharge, overload, short circuit, under voltage, over temperature protection function ;
- When the parameter is abnormal, you can restore to factory initial value;
- Can be expanded to solar priorities, mains complementary series products;

The display screen contents



Specification

Model	LN-H30101C0-70A	LN-H60101C0-70A	LN-H10202C0-70A
Rated capacity(W)	300W	600W	1000W
Battery input parameters			
Rated input battery voltage (VDC)	12VDC		24VDC
DC voltage range (VDC)	10.5~16.5VDC		21-33VDC
Solar energy input parameters			
Solar charging mode	PWM		
Solar energy input voltage range	17VDC		36VDC
Solar charging cut-off voltage	14.2V		28.4V
Solar charging current	0-70A		
Mains input parameters			
Mains input range	165VAC-265VAC		
Input frequency range	45-70Hz		
Mains AVR output	165VAC-265VAC		
Conversion time	≤10ms		
Charging current provided by mains	15A or delete this function		
Charge voltage provided by mains	Automatically change to solar and battery working model when the charging voltage reaches to 13.8V(12VDC) or 27.6V(24VDC).		
Output parameters of inverter			
Output voltage (V)	220Vac±5%		
Output frequency deviation (Battery mode)	50Hz±0.5		
Output wave form	Pure sine wave		
Distortion/THD	≤5%		
Inverter efficiency (linear load)	85%		
Load peak ratio	3: 1 (max)		
Overload capacity	When the load exceed 120%, will stop inverter output after 30s; when the load exceed 150%, will stop inverter output after 10s; when the load exceed 200%, will stop inverter output after 200ms.		
Short circuit	Close the inverter output immediately		
Battery type	Lead acid battery		
Battery capacity	According to the users' require of backup time, External battery can be connected		
Physical properties			
Cooling mode	Air cooling		
Working temperature	-15℃-40℃		
Storage temperature	-25℃-55℃		
Relative humidity	0-95%, No condensation		
Altitude	When altitude is more than 1500m, the system should be worked in under rated capacity.		
Size (L*W*H) mm	380×290×122mm		
Protection function	Input overvoltage, under voltage protection, overload protection, over temperature protection, short circuit protection, output over voltage, under voltage protection		
DC starting function	You can start without mains		
Net weight/ Gross weight (KG)	4.7/5.8	5.3/6.4	5.4/6.5