



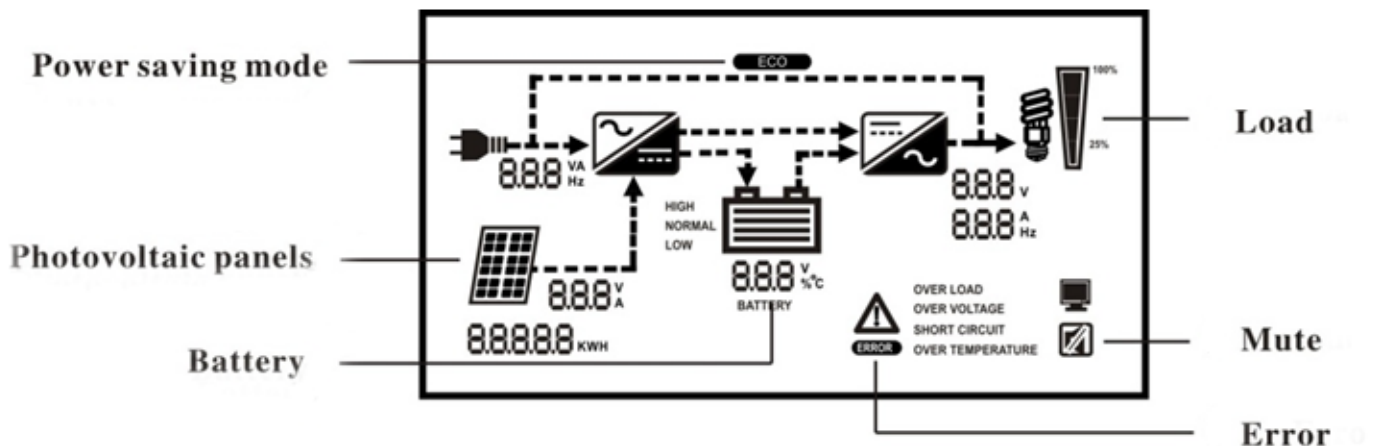
LN-G series Solar integrated machine



Features

- Utilize industrial-grade intelligent design;
- Pure sine wave output, suitable for television sets, refrigerators, induction cooker, electric fans, microwave ovens, air conditioners and other home appliances use;
- 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 content



Specification

Model	LN-G1200C0-70A1	LN-G1500-1800C0-70A1	LN-G2000-3000C0-70A1	LN-G4000-5000C0-70A1
Rated capacity(W)	1200W	1500W-1800W	2000W-3000W	4000W-5000W
Battery input parameters				
Rated input battery voltage (VDC)	24VDC	48VDC	48VDC	
Shutdown Voltage of battery over-voltage protection (VDC)	31.5VDC	63VDC	63VDC	
Off inverter voltage of battery over-voltage protection (VDC)	30.5VDC	61VDC	61VDC	
Recover voltage of battery over-voltage protection(VDC)	28VDC	56VDC	56VDC	
Off inverter voltage of battery low-voltage protection (VDC)	21.5VDC	43VDC	43VDC	
Recover voltage of battery low-voltage protection(VDC)	25VDC	50VDC	50VDC	
Shutdown Voltage of battery low-voltage protection (VDC)	20VDC	40VDC	40VDC	
Solar panel input parameters				
Solar panel maximum acceptable voltage (VDC)	50VDC	100VDC	100VDC	
Solar charging current (A)	0-70A			
Solar charging cut-off voltage (VDC)	28.4VDC	56.8VDC	56.8VDC	
Mains input parameters				
Mains input range	145V-280VAC		165-265 VAC	
Input frequency range	45-70Hz			
Mains AVR output	220v±10%		165-265 VAC	
Conversion time	≤10ms			
Charging current provided by mains	15A or delete this function			
Charging voltage provided by mains	Automatically change to solar and battery working model when the charging voltage reaches to 55-56V			
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%			
Noise	≤50db			
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	449*193*340		484*262*481	
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)	18/20.5	23.5/26.9	2KW 28.7/31 3KW 32.3/34.5	37/39.4