

High Voltage Version

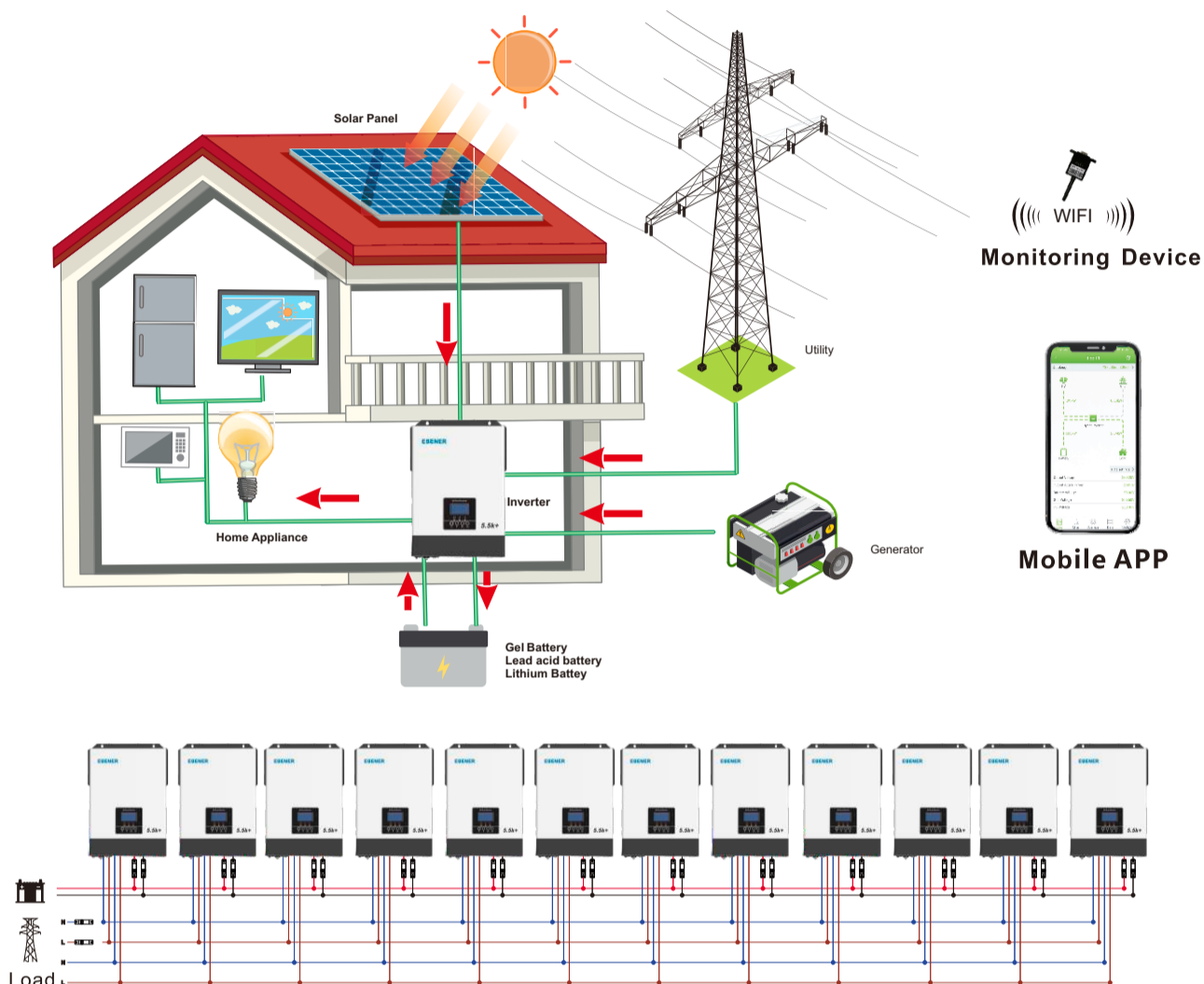
5.5KW/5500W 100A Pure Sine Wave Solar Inverter

Features

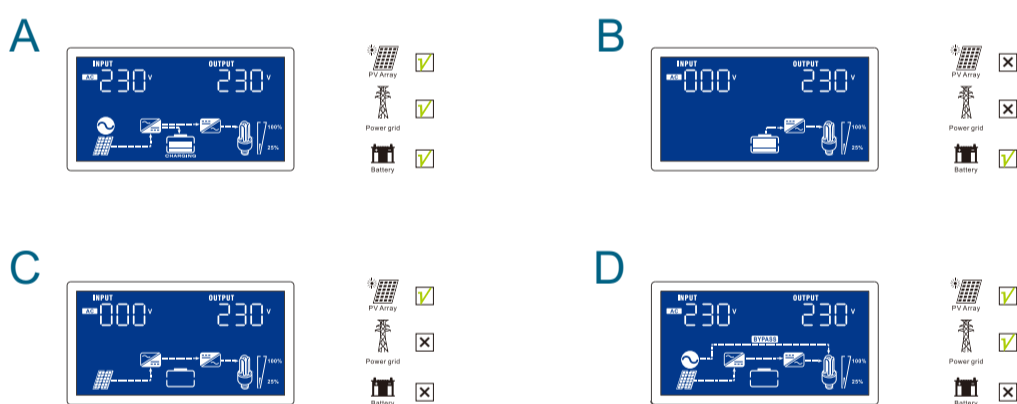
- Pure Sine Wave solar inverter
- Output power factor 1
- High PV input voltage range (120VDC-500VDC)
- Built in 100A MPPT Solar Controller
- Can provide the power to the load without battery
- Support Multiple output priority: UTL,SOL,SBU,SUB
- Parallel operation with up to 12 units
- Support Parallel in single phase/3 phase.
- Support wireless parallel. Without extra sharing current cable
- RS485 communication for BMS (Optional)
- Wifi/GPRS remote monitoring (Optional)
- Battery equalization function to optimize battery performance and extend lifecycle



Application Diagram



System Diagram



Technical Data

MODEL	5.5KW-48-S	5.5KW-48-P
CAPACITY	5.5KVA/5.5KW	5.5KVA/5.5KW
Parallel Capability	NO	Yes,12pcs
INPUT		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
Frequency	50/60 Hz (Auto sensing)	
OUTPUT		
Nominal Voltage	220/230VAC±5%	
Surge Power	11000VA	11000VA
Frequency	50/60 Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency (PV to INV)	96%	
Peak Efficiency (Battery to INV)	93%	
Overload Protection	5s@>=150% load; 10s@110%~150% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
BATTERY		
Battery Voltage	48VDC	48VDC
Floating Charge Voltage	54VDC	54VDC
OverCharge Protection	63VDC	63VDC
Charging Method	CC/CV	
Solar Charger & AC Charger		
Solar Charger TYPE	MPPT	
Max.PV Array Power	5500W	5500 W
Max. PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	120VDC~450VDC	
Max. Solar Input Current	18A	18A
Max. Solar Charge Current	100A	100A
Max. AC Charge Current	60A	60A
Max. Charge Current	100A	100A
PHYSICAL		
Dimensions, D x W x H(mm)	482x290x113	
Package Dimensions, D x W x H(mm)	565x380x190	
Net Weight (Kgs)	10	10
Communication Interface	RS485/RS232/Dry-contact	
ENVIRONMENT		
Operating Temperature Range	-10°C to 50°C	
Storage temperature	-15°C~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	