

# ESS-Li SERIES

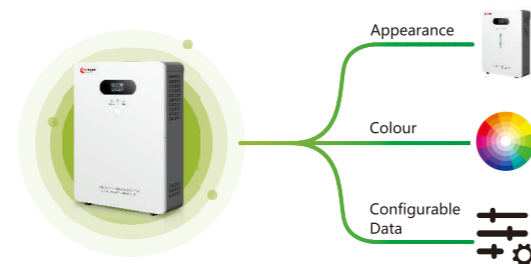
LOW FREQUENCY TRANSFORMER ALL IN ONE SOLAR POWER GENERATOR WITH LifePO4 BATTERY



## Features

- Convenient installation, integrating solar controller, inverter and battery all in one machine.
- Compact and elegant design, unique art design and convenient output connection port.
- Flexible energy storage capacity, supporting three charging methods: solar power , Petrol and diesel generator , and grid power .
- Support wifi or app monitoring.
- With overvoltage, overtemperature, overload, battery BMS report and comprehensive protection.

## OEM/ODM



## Application



## Technical Parameters

Model ESS-Li	301W	601W	122W	202W	302W	502W
<b>Power</b>						
Rated Power	300W	600W	1200W	2000W	3000W	5000W
<b>Battery</b>						
Standard Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC	
Battery Type	LiFePO4 Battery					
Battery Capacity	12.8VDC 50AH	25.6VDC 50AH	25.6VDC 100AH	51.2VDC 100AH	51.2VDC 150AH/200AH	
Max Charge/Discharge Current	20ADC/50ADC	20ADC/50ADC	40ADC/100ADC	40ADC/100ADC	80ADC/200ADC	
Charge/Discharge Cut-off Voltage	10VDC /14.6VDC	20VDC/29.2VDC	20VDC /29.2VDC	40VDC/58.4VDC	40VDC/58.4VDC	
<b>AC Input</b>						
AC Input Voltage	110VAC/120VAC/220VAC/230VAC/240VAC					
AC Input Frequency	45Hz~55Hz ( 50Hz ) , 55Hz~65Hz ( 60Hz )					
<b>AC Output</b>						
Output Wave	Pure sine wave					
Conversion efficiency(INV mode)	> 85%					
Output Voltage/Frequency (INV mode)	110VAC/120VAC/220VAC/230VAC/240VAC / 50Hz±1%,60Hz±1%					
<b>MPPT Solar Charge Controller</b>						
Max PV Input Voltage ( Voc)	120VDC	120VDC	120VDC	180VDC	180VDC	
PV Array Maximum Power	280W	480W	960W	2240W	3360W	
MPPT Tracking Voltage Range	15V-80VDC	30VDC-100VDC	30VDC-100VDC	60VDC-140VDC	60VDC-140VDC	
PV Charging Current	20A	20A	40A	40A	60A	
<b>Other</b>						
Protection	Battery undervoltage protection/Battery overvoltage protection/Battery overvoltage recovery voltage/ Overload power protection/Short circuit protection/Overtemperature protection					
Protection Degree	IP20					
Display	LCD					
Cooling Method	Cooling fan in intelligent control					
Communication	RS485, Mobile APP(WIFI or GPRS monitor)(optional)					
Working Mode	Mains priority/PV priority					
Operating Temperature	-15°C~40°C					
Relative Humidity	0%-95% (No condensation)					
<b>Size</b>						
Product Size(L*W*Hmm)	460*182*397	485*202*406	500*229*464	577*350*644	627*405*664	
Package Size(L*W*Hmm)	527*267*470	552*277*477	570*310*535	665*450*825	715*505*845	

Note: 1. Specifications are subject to change without prior notice; 2. Special voltage and power requirements can be customized according to the actual situation of users.