

ESS-Li SERIES

LOW FREQUENCY LITHIUM SOLAR GENERATOR

300W-7KW



Pure sine wave



All in one design



WiFi



Alarm&Protection



LiFePO4



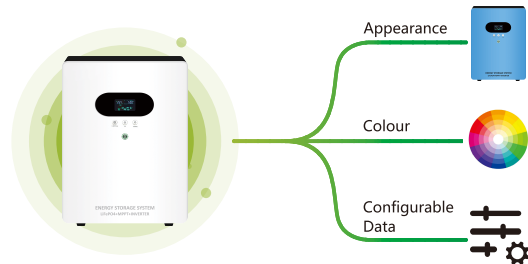
Various charging methods



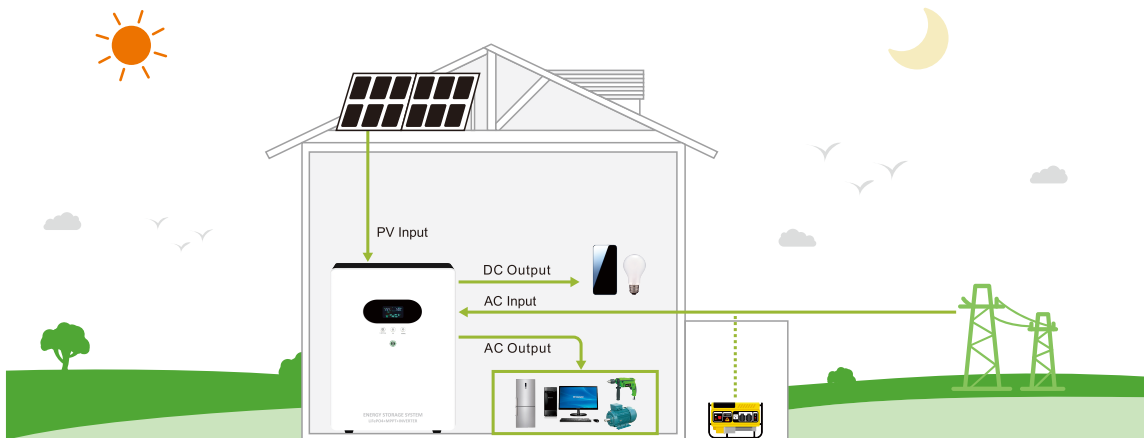
Features

- 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 communication and comprehensive protection.

OEM/ODM



Connection Diagram



ESS-Li Low Frequency Lithium Solar Generator 300W-7KW

Technical Parameters

Model ESS-Li	301H/A	601H/A	122H	222H	302H	502H	502H/150	502H/200	602H	702H
Rated Power	300W	600W	1200W	2200W	3000W	5000W	5000W	5000W	6000W	7000W
MPPT Solar Charge Controller										
Max PV Input Voltage (Voc)	120VDC				180VDC					
PV Array Maximum Power	280W	560W	1120W	2240W	3360W	3360W	3360W	4480W	4480W	
MPPT Tracking Voltage Range	15V-80VDC	30V-100VDC	30V-100VDC	60V-140VDC						
Battery										
Standard Battery Voltage	12.8VDC	25.6VDC	51.2VDC							
Battery Type	LiFePO4 Battery									
Battery Capacity	50AH			100AH	100AH		150AH	200AH		
Maximum charging current (mains + photovoltaic)	25A	30A	30A	60A	55A	90A	90A	90A	110A	110A
Maximum photovoltaic / mains charging current	20A/5A	20A/10A	20A/10A	40A/20A	40A/15A	60A/30A	60A/30A	60A/30A	80A/30A	80A/30A
AC Input										
AC Input Voltage	AC105V-120V model: 105VAC110VAC115VAC120VAC (can be set); AC220V-240V model: 220VAC230VAC240VAC (can be set)									
AC Input Frequency	45Hz~55Hz(50Hz), 55Hz~65Hz(60Hz)									
AC Output										
Output Wave	Pure Sine Wave									
Conversion efficiency (INV mode)	> 85%									
Output Voltage/Frequency (INV mode)	110VAC/120VAC/220VAC/230VAC/240VAC; 50Hz±1%, 60Hz±1% (can be set)									
Other										
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 communication / APP (WIFI/GPRS data collector) optional									
Working Mode	Inverter priority/mains priority/energy saving mode									
Operating Temperature	-10℃~40℃									
Elevation	2000m(more than derating)									
Relative Humidity	0%-95% (No condensation)									
Dimensions and Weight										
Product Size (L*W*Hmm)	560*380*150			630*430*219	525*245*938		570*325*1257			
Package Size (L*W*Hmm)	610*435*225			680*485*295	585*305*1100		630*385*1385			
N. W. (kg) (excluding battery)	7	10	15	20.5	37	40	52.5	52.5	54.5	57.5
G. W. (kg) (excluding battery)	8.5	11.5	16.5	22.5	45	48	62.5	62.5	64.5	67.5

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.