

ESS SERIES

SOLAR GENERATOR



Pure sine wave



WiFi



DC output terminal



Grid power input/
output



PV input

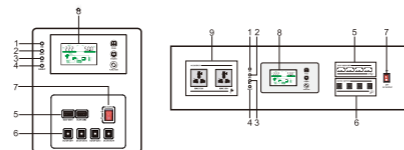


Generator



Features

- 3 times peak power, excellent loading capability.
- Combine inverter/solar controller/battery all in one.
- Multiple output: 2*AC output socket, 4*DC 12V, 2*USB.
- Working mode AC prior/Solar prior selectable.
- AC charging current 0-30A selectable.
- Digital LCD and LED for visualization of operation status of the equipment.
- Inbuilt automatic AC charger and AC mains switcher.



1. AC indicator: Green color. Bright: AC input supply.	6. DC 12V output port
2. BAT indicator: Yellow color. Flash: Charging. Bright: Fully charged.	7. DC output switch: Control the DC output of 5V/12V port
3. INV indicator: Yellow color. Bright: Battery input supply.	8. LCD screen
4. FAULT indicator: Red color. Bright: Working abnormal.	9. AC output socket
5. DC 5V(USB) output port	

Application



Household



Office Equipment



Camping



Car electricity



Agricultural
Irrigation



Industrial
backup



Technical Parameters

Model: ESS	501P	102P	202W	302W	502W	602W	702W
Power							
Rated Power	500W	1000W	2000W	3000W	5000W	6000W	7000W
Peak Power(20ms)	1500VA	3KVA	6KVA	9KVA	15KVA	18KVA	21KVA
Battery							
Standard Battery Voltage	12VDC		24VDC		48VDC		
Battery Type	Lead-acid battery						
Battery Capacity(Optional)	1*12VDC 50AH	1*12VDC 100AH	2*12VDC 200AH		4*12VDC 200AH		
AC Input							
AC Input Voltage	110VAC/120VAC/220VAC/230VAC/240VAC						
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%						
Solar Charge Controller							
Type	PWM			MPPT			
Max PV Input Voltage (Voc)	50VDC	50VDC	150VDC	150VDC	150VDC	150VDC	150VDC
PV Array Maximum Power	280W	560W	1680W	1680W	3360W	3360W	3360W
MPPT Tracking Voltage Range	15V-44VDC	15V-44VDC	30VDC-120VDC	30VDC-120VDC	60VDC-120VDC	60VDC-120VDC	60VDC-120VDC
PV Charging Current	20A	40A	60A	60A	60A	60A	60A
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+LED						
Cooling Method	Cooling fan in intelligent control						
Communication	RS485 communication, mobile APP (WIFI monitoring or GPRS monitoring) (500W~1000W models do not support)						
Working Mode	Mains priority/PV priority						
Operating Temperature	-15 °C ~40 °C						
Relative Humidity	0%-95% (No condensation)						
Size							
Product Size(L*W*Hmm)	358*192*390	488*232*450	560*350*928		610*535*960		
Package Size(L*W*Hmm)	400*252*500	550*295*625	638*427*1063		688*612*1093		

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.