

Specifications Parameter

Model	ESS 300W+896WH	ESS 500W+1004.8WH
Inverter/Charger		
Rated AC Output Power	300W	500W
Output Voltage Waveform	Pure Sine Wave	Pure Sine Wave
Output Voltage	185 ~ 230VAC 50Hz	185 ~ 230VAC 50Hz
Low DC Warning Point	≤19%	≤19%
Low DC Cut-off Voltage	2.9Vdc	2.9Vdc
Low DC Warning Return Voltage	>20%	>20%
Charging Power(Utility and solar together)	400W Max.	500W Max.
Bulk Charging Voltage	3.6Vdc	3.6Vdc
Float Charging Voltage	3.5Vdc	3.5Vdc
AC Input		
Nominal Input Voltage	230Vac	230Vac
Low Loss Voltage	90Vac±7	90Vac±7
Low Loss Return Voltage	100Vac±7	100Vac±7
High Loss Voltage	280Vac±7	280Vac±7
High Loss Return Voltage	270Vac±7	270Vac±7
Max.AC Input Voltage	300Vac	300Vac
Nominal Input Frequency	45 ~ 65Hz	45 ~ 65Hz
AC Charging Power	300W Max.	500W Max.
Solar Input		
Nominal PV Voltage	30Vdc	30Vdc
MPPT PV Array MPPT Voltage Range	10Vdc~55Vdc	10Vdc~55Vdc
Max.PV Array Open Circuit Voltage	56Vdc	56Vdc
Solar Charging Power	300W Max.	300W Max.
Lithium Iron Battery		
Capacity	896Wh	1004.8Wh
Nominal Battery Voltage	3.2Vdc	3.2Vdc
Typical Capacity	280Ah	314Ah
Max.Charge Current	130A	220A
Max.Discharge Current	130A	220A
Operation Voltage Range	2.9Vdc ~ 3.6Vdc	
Operation Temperature	-10℃~+50℃	
DC Output		
DC Output Power	5W Max.	
DC Output Socket	1pcs 5V1A USB charger	
Display Function		
LED Indicator	4pcs SOC indicators, 1 pcs working status indicators	
Ambient		
(dB)Noise(dB)	<40dB(1meter)	
working Temperature	-10℃~+50℃	
Humidity	5~95%(no condensation)	
Sea Level(m)	≤2000	
Dimension		
L×W×H(products size)	312*215*146mm	356*210*156mm
L×W×H(package size)	410*272*226mm	412*262*212mm
Weight(NW Kg)	9.9Kg	11.0Kg
Weight(GW Kg)	11.0Kg	12.0Kg