

ESS High Frequency All IN One SYSTEM

ESS 3KW/5.12KWH | ESS 5KW/10.24KWH



Double CPU Intelligent control technology, Excellent performance



The grid mode/ battery mode could be set, application flexible



The intelligent MPPT solar controller, multiple protection



The pure sine wave output, can adapt to various types of load.



Smart fan control, safe and reliable.

TECHNICAL SPECIFICATIONS

Model No.:		ESS 3KW/5.12KWH	ESS 5KW/10.24KWH
Rated power		3600W	5000W
BATTERY	Rated voltage	25.6VDC	51.2VDC
	Float charge voltage	28.4VDC	56.8VDC
	Charging method	Three-stage (constant current/constant pressure/floating charge)	
	Built-in battery specifications	25.6V-200AH	51.2V-200AH
AC INPUT	Rated voltage	220VAC	
	Voltage range	170-280VAC(laptop)/90-280VAC(home appliance)	
	Frequency	50/60HZ(Automatic detection)	
AC OUTPUT	Rated voltage	208/220/230/240VAC(can be set)	
	Frequency	50/60Hz±1%(can be set)	
	Wave type	Pure sine wave	
	Conversion time	10ms(laptop);20ms(home appliance)	
	Efficiency	94%	
	Overload	102%~110% /1 ;110%~130% /10 130%~150% /1 ;>150% /0.2	
PV INPUT	PV Charger type	MPPT	
	MAX input power	5000W	5500W
	MAX input volt	500VDC	
	MPPT	40~450VDC	120~450VDC
BATTERY CHARGER	MAX PV charge current	100A	80A
	MAX AC charge current	100A	80A
	MAX charge current (PV+AC)	100A	80A
Operating ambient temperature		-10~50	
Storage ambient temperature		-15~60° C	
Operating/Storage ambient		5-95° C	
External size:D*W*H(mm)		627*471*580	
Package size:D*W*H(mm)		715*520*761	
N.W/G.W(kg)		69/96	102.5/129