

# ESS Low Frequency All IN One SYSTEM

ESS 1.2KW/1.92KWH  
ESS 2.2KW/2.56KWH  
ESS 3.5KW/5.12KWH



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		ESS 1.2KW/1.92KWH	ESS 2.2KW/2.56KWH	ESS 3.5KW/5.12KWH
Battery voltage		25.6VDC		51.2VDC
In-built battery specification		75AH.25.6V	100AH.25.6V	100AH.51.2V
Inverter	Rated power	1200W	2200W	3500W
	Output voltage	110/220VAC		110/220VAC
	Output frequency	50/60Hz		50/60Hz
	Output waveform	Pure Sine Wave		Pure Sine Wave
	Input voltage range	72-138/145-275VAC	85-138/170-275VAC	85-138/170-275VAC
	Input frequency	45-65Hz		45-65Hz
	PV input range voltage	35V-100V		65V-150V
MPPT charge	Rated charge current	MPPT 30A		MPPT 60A
	Maximum Power	840Wp		3440Wp
	Voltage of floating charge	28.4V		56.8V
	MPPT efficiency	≥97%		≥97%
	High voltage protection	32V		64V
DC output	High voltage recovery	29V		58V
	Low voltage recovery	26V		52V
	Low voltage protection	22.4V		44.8V
	5VDC USB output	2 units / MAX 2A		2 units / MAX 2A
	12VDC output ports	2DC ports / MAX 2A		2DC ports / MAX 2A
Heat dissipation /Cooling		Temperature control by intelligent exhaust fan		Temperature control by intelligent exhaust fan
Operating ambient temperature		-20 - +50°C		-20 - +50°C
Storage ambient temperature		-25 - +55°C		-25 - +55°C
Operating/ Storage ambient		0-90% (no condensation)		0-90% (no condensation)
External size: D*W*H (mm)		485*202*478	500*229*464	627*405*667
Package size: D*W*H (mm)		570*310*564	570*310*535	715*505*845
Note: Our company has the right of changing this user manual without any information				