



PORTABLE ALL-IN-ONE ESS



Faster Charging Time
0~100% in 1.5 hours
5.12kWh/module



Built-in Dual MPPT
High Voltage: Max. 3000W
Low Voltage: Max. 600W



Rugged Wheels and
Telescopic Pull Handle
Convenient Transport



Max 16A Input Current
to Better Match High
Power Panel



With UPS Function
Switch Time≤10ms



Modular Design and
Expandable Up to
20kWh



Display Screen

Telescopic Pull Handle



Hybrid Inverter Module



Anti-tip Device



Battery Module

Wheels

Model	SH4000
Battery Input	
Cell Type	LiFePO ₄
Battery Capacity (Wh)	5120
Battery Input Nominal Voltage (V)	51.2
Battery Input Voltage Range (V)	40~60
Nominal Charging Current (A)	65
Nominal Discharging Current (A)	90
Max. Discharging Current (A)	100
Life Cycles (@25°C, 0.5C Discharge, DOD80%)	4000+
AC Input	
AC Charging Power (W)	3600
Nominal Voltage (Vac)	230
Voltage Range (V)	180~270
Nominal Frequency (Hz)	50
Frequency Range (Hz)	45~55
Power Factor (@Max. Charging Power)	>0.99
AC Output	
Nominal AC Power (W)	4000
Surge Power (W)	8000
Nominal Grid Voltage (Vac)	220 / 230 / 240
Nominal Grid Frequency (Hz)	50
Nominal AC Current (A)	17.5
THDv at Nominal Power (%)	<1.5
PV Input(HV) MC4	
Max. Solar Charging Input Power (W)	3000
DC Input Voltage Range (V)	70~450
Max. DC / PV Input Current (A)	16
DC Input(LV) XT60	
Max. Car Charging Input Power (W)	120
Max. Solar Charging Input Power (W)	600
DC Input Voltage Range (V)	12~50
Max. DC / PV Input Current (A)	16
DC Output	
XT60	12V/30A, 24V/25A, 36V/20A
USB-TypeC (x2)	100W, 5V, 9V, 12V, 15V:3A, 20V:5A
Efficiency	
Battery to AC Max (%)	93.0
AC to Battery Max (%)	93.0
PV to AC Max (%)	97.5
PV to Battery Max (%)	95.0
Protection	AC output over current; AC output short circuit; AC charging over current; AC output over/under voltage; AC output over/under frequency; Inverter over temperature; AC charging over/under voltage; Battery temperature high/low; Battery over/under voltage
General Data	
Dimensions (W/H/D) (mm)	510*673*266mm; (Inverter: 510*216*208 mm; Battery:510*375*198 mm; Base: 510*82*256 mm)
Weight (Kg)	65
LCD (mm)	97*48
Cooling	Smart Fan Cooling
Operation Temperature Range (°C)	0~40°C (Charging), -20~+40°C (Discharging)
Operation Relative Humidity [RH(%)]	0~95%, Non Condensation
Ingress Protection	IP54 (IP65 Customized Available)
Noise (dB)	< 40
Communication Interface	Wi-Fi