



# PORABLE 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



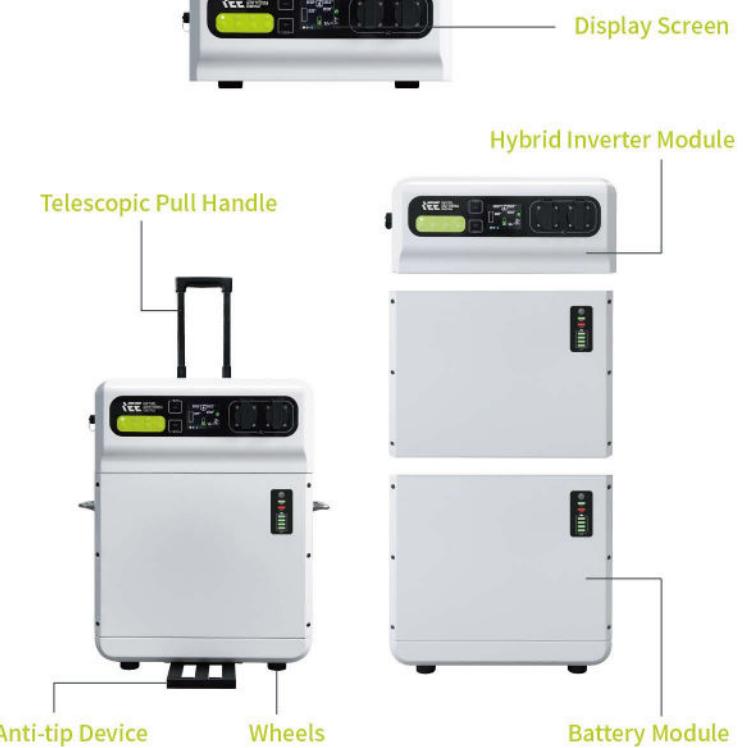
Rugged Wheels and  
Telescopic Pull Handle  
Convenient Transport



EPS Function Switch  
Time≤10ms



Modular Design and  
Expandable Up to  
10kWh



## Si-Hybrio series

Model	SH4000
<b>Battery Input</b>	
Cell Type	LiFePO <sub>4</sub>
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+
<b>AC Input</b>	
AC Charging Power (W)	3600
Nominal Voltage (Vac)	220/230/240
Voltage Range (V)	180~270
Nominal Frequency (Hz)	50
Frequency Range (Hz)	45~55
Power Factor (@Max. Charging Power)	>0.99
<b>AC Output</b>	
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)	18.2/17.4/16.6
THDv at Nominal Power (%)	<1.5
<b>PV Input(HV) MC4</b>	
Max. Solar Charging Input Power (W)	3000
DC Input Voltage Range (V)	70~450
Max. DC / PV Input Current (A)	16
<b>DC Input(LV) XT60</b>	
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
<b>DC Output</b>	
XT60	12V=30A, 24V=25A, 36V=20A
USB-TypeC (x2)	100W, 5V, 9V, 12V, 15V=3A, 20V=5A
<b>Efficiency</b>	
Battery to AC Max (%)	93.0
AC to Battery Max (%)	93.0
PV to AC Max (%)	97.5
PV to Battery Max (%)	95.0
<b>Protection</b>	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
<b>General Data</b>	
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/Bluetooth