

SKYWORTH



EBricks 10kW Hybrid Single Phase Hybrid Energy Storage System

Features

Excellent Power Performance



- Max. 15 000Wp Oversized PV Input Power.
- Maximum efficiency 98%, battery efficiency 94.5%.
- Large MPPT current, compatible with high-power solar panels.
- Seamless transfer from on-grid to off-grid in <10ms.
- Super silent design perfect for indoor installation.

>6000 CYCLES



Long cycle life with 6000 cycles
@ 0.5C discharge to 90% DOD with EOL
>70%

Management



- Quick Commission through App
- Realtime management anywhere
- Multiple working modes built-in

All-in-One battery



- Ultra-thin interior aesthetic design
- Wire-free for super easy installation
- Flexible battery capacity 5kWh~20kWh

High Reliability



- Reliable Lithium-Ion battery adopted
- Comprehensive electrical protections
- 10 Year Warranty

Inverter Module

On-Grid AC	Nominal AC Output Power	10 000W
	Max. AC Apparent Power	11 000VA
	Max. AC Output Current	50A
	Nominal Grid Voltage	220V/230V/240V, L+N+PE
	Grid Voltage Range	150V ~ 300V (adjustable)
	Nominal Output Frequency	50Hz / 60Hz (±5Hz)
Off-Grid AC	Nominal AC Output Power (Off-grid)	10 000W
	Nominal Output Current (Off-grid)	43.5A
	Nominal Output Voltage (Off-grid)	220V/230V/240V, L+N+PE
	Nominal Output Frequency (Off-grid)	50Hz / 60Hz
	Transfer Time	< 10ms
PV Input	Max. PV Input Power	15 00Wp
	MPPT Voltage Range	70V ~ 540V
	Max. PV Voltage	600V
	Start-up Voltage	90V
	No. of MPPT	3
	Max. PV Input Current per MPPT	30A / 22A / 22A
	Max. Short Circuit Current per MPPT	40A / 30A / 30A
Battery	Battery Voltage Range	40V ~ 60V
	Max. Charge/Discharge Current	120A / 120A
	Max. Charge/Discharge Power	5000W / 5000W
General	Efficiency	Max.: 97.3%, Euro.: 96.8%
	Protection Category	Class I
	Protections	Anti-islanding, AC Over Voltage/Current Protection, AC Short-circuit, DC Reverse, Leakage Current, PV Insulation Detection, SPD DC Type III, AC Type III
	Display & Management	LED & Wireless & APP
	Ingress Protection	IP65 (Indoor only)
	Dimension (W*H*D)	420mm*800mm*240mm
	Weight	37kg
	Certifications	IEC62109, IEC62477, NRS-097, EMC, RoHs

Battery Stack

Battery Type	LFP
Battery Capacity	5.12kWh per module (stackable from 1 to 4)
Max. Charge/Discharge Power per battery pack	5000W / 5000W
Max. Charge/Discharge Current per battery pack	100A / 100A
Rated Battery Voltage (Pack & Stack)	51.2Vdc
Cycle Life	6000 cycles @25°C with 0.5C DOD-90% EOL-70%
Ingress Protection	IP34 (Indoor)
Operating Temperature	Charge: -10~50°C, Discharge: -20~55°C
Dimension (W*H*D)	Battery pack: 730mm*478mm*165mm Base:730mm*140mm*165mm
Weight	48kg per pack
Certifications	IEC62619, UN38.3, MSDS, EMC, RoHS