



HOPETREK

# All-in-one Residential ESS

ESS-SAH5B10-A-EU



## Key Features:

- **Easy Installation**  
With just 3-step cable connection, you can set up a residential ESS.
- **Real-time Status Monitoring**  
Multiple indicators show at a glance system status
- **Optimal System Utilization**  
Users can choose from multiple modes for optimal system use in various scenarios
- **Smart Control and Monitor**  
With APP, you can control and monitor ESS just by fingertips.
- **As Long as 15-years Lifespan**  
6000+ cycles over 70%SOH  
3500+ cycles over 80%SOH
- **On-Grid & Off-Grid Hybrid ESS System**  
Minimize the modifications of home circuitry

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# Specifications

<b>Model</b>	<b>ESS-SAH5B10-A-EU</b>		
<b>Battery Parameters</b>			
Battery Type	LFP	Voltage Range	44.8V~57.6V
Configuration	2P16S	Rated Charging Current	100 A
Rated Voltage	51.2V	Max. Charging Current	120 A
Rated Capacity	200 Ah	Rated Discharging Current	100 A
Rated Energy	10.24 kWh	Max. Discharging Current	120 A
<b>PV Parameters</b>			
Max. PV Generation Power	9000 W	Max. Short Circuit Current	23/23A
Max. DC Voltage	600 V	MPPT Voltage Range	60-550 V
Rated DC Operating Voltage	360 V	MPPT Number	2
Max. PV Input Current	16/16 A		
<b>On-Grid Parameters</b>			
On-Grid Rated Power	6000 VA	Rated AC Current	26.1A
On-Grid Rated Voltage	230 V	Max. AC Current	27.3A
On-Grid Rated Frequency	50/60 Hz	Power Factor	0.8 lead~0.8 lag
Electrical Connection	L/N/PE	THD	<3%
<b>Off-Grid Parameters</b>			
Off-Grid Rated Power	6000 VA		
Off-Grid Rated Voltage	230 V		
Off-Grid Rated Frequency	50/60 Hz		
Electrical Connection	L/N/PE		
Max. Output Current	27.3 A		
THD	< 3%		
UPS Switching Time	0.01S		
<b>Operating Conditions</b>			
Ambient Temperature	Charge : 0~55°C ; Discharge : -20~55°C		
Humidity	5-95%, no condensing		
Altitude	≤2000 m		
Mounting	Floor standing		
<b>General Parameters</b>			
Weight	141kg		
Dimensions (W*D*H)	700*212*1320mm		
Protection Rating	IP65		
Cooling	Natural cooling		
Cycle Life	6000 cycles (@25±2°C, 0.5C/0.5C, 90%DOD, 70%EOL)		
Certifications	CE-LVD, CE-EMC, CE-RED, UN38.3, MSDS, CEI 0-21		

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