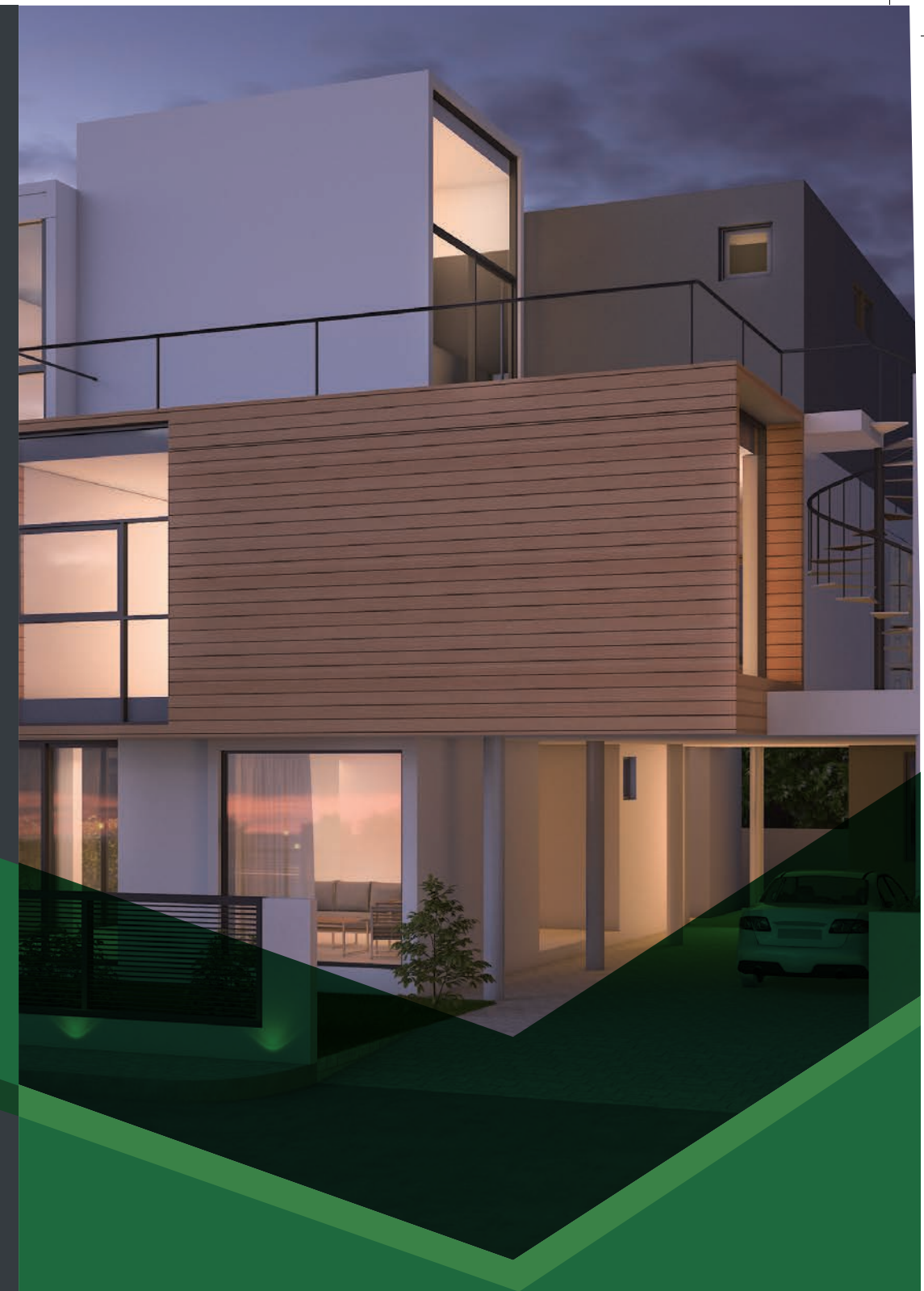


Specification

Model		ESS-SAH5B10-A-EU	
Battery type	LFP	Voltage Range	44.8V~57.6V
Configuration	2P16S	Rated Charging Current	100A
Rated Voltage	51.2V	Max. Charging Current	120A
Rated Capacity	200Ah	Rated Discharging Current	100A
Rated Energy	10.24kWh	Max. Discharging Current	120A
PV Parameters			
Max. PV Generation Power	6500W	Max. Short Circuit Current	13.8/13.8A
Max. DC Voltage	580V	MPPT Voltage Range	125~550V
Rated DC Operating Voltage	360V	MPPT Number	2
Max. PV Input Current	11/11A		
On-Grid Parameters			
On-Grid Rated Power	4600VA	On-Grid Rated Current	21.7A
On-Grid Rated Voltage	230V	Max. AC Current	24.5A
On-Grid Rated Frequency	50/60Hz	Power Factor	0.8 lead~0.8 lag
Electrical Connection	L/N/PE	THD	<3%
Off-Grid Parameters			
Off-Grid Rated Power	4600VA		
Off-Grid Rated Voltage	230V		
Off-Grid Rated Frequency	50/60Hz		
Electrical Connection	L/N/PE		
Max. Protection Current	30A		
Max. Short Circuit Current	43A (10s)		
Peak Power	6900VA (3s)		
UPS Switching Time	0.01S		
Operating Conditions			
Ambient Temperature	Charge/Discharge: 0~55°C		
Humidity	5~95%, no condensing		
Altitude	≤2000m		
Mounting	Floor standing		
General Parameters			
Weight	160kg		
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		

* All data reported by Uniview laboratory.

**A RELIABLE RESIDENTIAL
ESS TO LIVE A MORE
COMFORTABLE LIFESTYLE**

UNV TECHNOLOGIES ITALY S.R.L

Indirizzo Web: www.uniview.com

Commerciale e Supporto Tecnico: infoit@uniview.com

Indirizzo: Via della Giustizia 10/B, Milano, Italia

Telefono: +39 3242802223

Disclaimer: Tutti i diritti sono riservati, compresi quelli di interpretazione finale e di modifica dei contenuti.



ALL IN ONE RESIDENTIAL ENERGY STORAGE SYSTEM
ESS-SAH5B10-A-EU



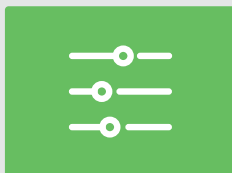
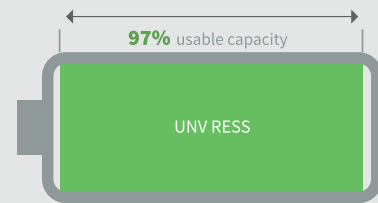
Good Components, Good Quality

CATL Cells inside
Tier 1 PCS build-in



7% Increase in Usable Capacity

UNV B10 provides 97% of the rated battery capacity to be usable, while others only 90%.



Easy Installation

With just 3-step cable connection, you can set up a residential ESS.

As Long as 15-years Lifespan

6000+ cycles over 70%SOH
3500+ cycles over 80%SOH

On-Grid & Off-Grid Hybrid ESS System

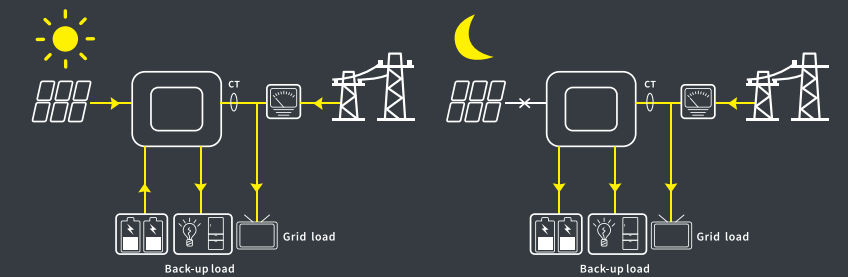
Minimize the modifications of home circuitry

Smart Control and Monitor

With APP, you can control and monitor ESS just by fingertips

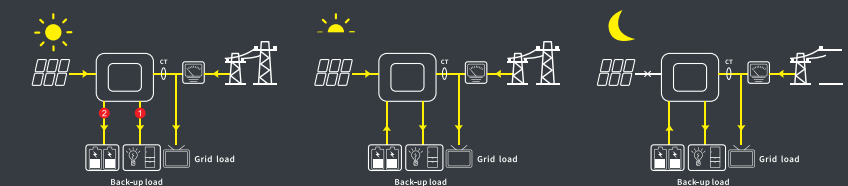
Operation Mode

Economic mode: Suitable for places where peak electricity price is much higher than valley electricity price.



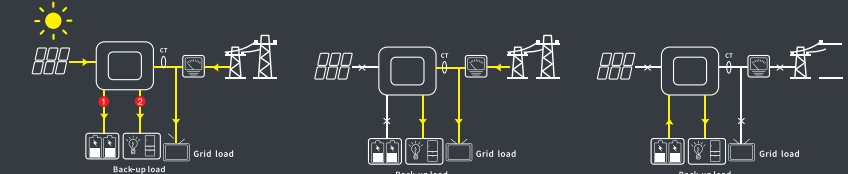
- At day time, system prioritizes the use of solar energy and battery to power the back-up load. Grid load is powered by grid.
- At night time, grid charges battery and give energy to back-up load and grid load.

Self consumption mode: Suitable for areas with high electricity prices.



- At day time, solar energy is given priority to powering back-up load. If there are extra energy, solar energy charges the battery. Grid load is powered by grid.
- If solar energy is not enough to power back-up load, battery power back-up load at the same time, and then grid power back-up load (if necessary) and grid load.
- At night time, battery energy is given priority to powering back-up load. If battery cannot provide enough energy, grid power back-up load together. Grid load is powered by grid.

Back up mode: If grid is not stable and you have important load to power when black-out, back up mode is suitable.



- At day time, solar energy is given priority to charge battery. If there are extra energy, solar energy powers back-up load. Grid power back-up load (if necessary) and grid load.
- If no solar energy is generated, grid power back-up load and grid load.
- If black-out occurs, battery power back-up load.

