



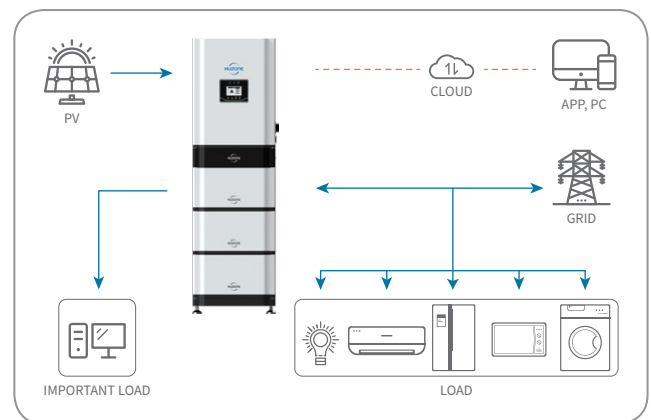
HAS-3~8K

All-In-One Stacked Energy Storage System

3kW / 4.2kW / 5kW / 6kW / 7kW / 8kW



- ✓ The number of stacking battery modules is from 1 to 4 (4kWh~16kWh), LFP, which can be flexibly adjusted
- ✓ IP65 protection grade, high power quality, does not interfere with electrical equipment, ultra-low radiation
- ✓ Supports emergency power supply and seamless off-grid switching
- ✓ Stacked installation mode, no external wiring
- ✓ Ultra-quiet design, flexible communication mode
- ✓ Maximum efficiency 97.4%, intelligent MPPT algorithm, tracking efficiency 99.99%



Villa



Hotel



Residential electricity



Hospital



Museum



Church



Farm

Technical Data
HAS-3K
HAS-4.2K
HAS-5K
HAS-6K
HAS-7K
HAS-8K
PV Input

Maximum Input Power	3.3 kW	4.6 kW	5.5 kW	6.6 kW	7.7 kW	8.8 kW
Maximum Input Voltage	600 V					
MPPT Voltage Range / Rated Voltage	80~500 V / 360 V					
Start-up Voltage	85 V					
Rated Input Voltage	360 V					
Number Of MPPT / Strings Per Channel	2/1					
Maximum Input Current	16 A					
Short-circuit Current	25 A					

Battery (Built-in)

Battery Type	LFP / LiFePO4 (Lithium Iron Phosphate)					
Specifications	102 V / 40 Ah					
Rated Energy	4.096 kWh / 8.192 kWh / 12.288 kWh / 16.384 kWh					
Voltage Range	93~454 V					
Number of Modules	1~4					
Maximum Current	30 A					
Maximum Charge/Discharge Power	3kW / 3kW	4.2kW / 4.2kW	5kW / 5kW	6kW / 6kW	7kW / 7kW	8kW / 8kW
Cycle Life (25°C)	6000 Cycles					

AC Output (On-Grid)

Rated Output Power	3 kW	4.2 kW	5 kW	6 kW	7 kW	8 kW
Maximum Output Power	3 kVA	4.2 kVA	5 kVA	6 kVA	7 kVA	8 kVA
Rated Output Voltage	230 V (1PH, N, PE)					
Output Frequency	50/60 Hz					
Maximum Output Current	13 A	18.3 A	21.7 A	26 A	30.4 A	34.8 A
Power Factor	-1~1					
THDi (Rated Power)	<3%					

UPS

Rated Output Power	3 kW	4.2 kW	5 kW	6 kW	7 kW	8 kW
Peak Output Power	3 kW	4.2 kW	5 kW	6 kW	7 kW	8 kW
Output Voltage	230 V					
Maximum Output Current	13 A	18.3 A	21.7 A	26 A	30.4 A	34.8 A
Output Frequency	50/60 Hz					

General Data

Maximum Efficiency	97.4%
Euro Efficiency	97.1%
Protection	PV Insulation Resistance Detection, Residual Current Detection, PV Reverse Polarity Protection, Anti-island Protection, AC Overcurrent Protection, DC Switch, AC Surge Protection (Level 3), DC Surge Protection (Level 3)
Ingress Protection Rating	IP65
Temperature Range	-10~45°C (Can not be charged below 0°C)
Cooling Method	Natural Cooling
Relative Humidity	0~95%
Altitude	≤3000 m
Display	LCD, Wi-Fi+APP
Communication	Wi-Fi, RS485, GPRS
Communication with Meter	CT Meter
Topology	Non-isolated Type
Weight	60~150 kg
Dimensions (WxDxH)	425x340 mm