

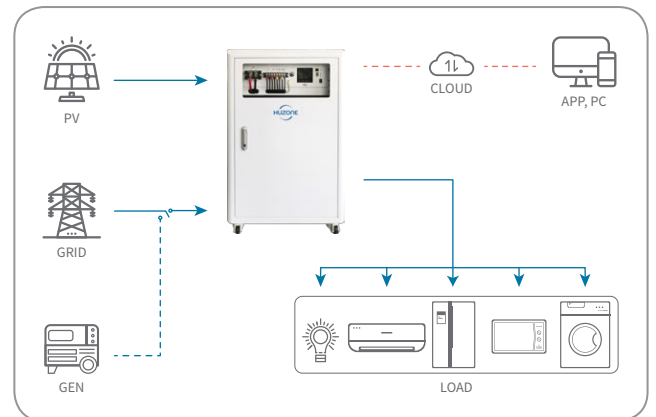


HAS-3K5020/5K8020

All-In-One Off-Grid Energy Storage System

3kVA / 5kVA

- ✓ Compatible with different batteries, perfect protection function and strong environmental adaptability
- ✓ Wide DC input voltage range design
- ✓ Fully digital voltage and current double closed-loop control, advanced SPWM technology, output pure sine wave
- ✓ With two output modes of mains power bypass and inverter output, with UPS function
- ✓ Full power UPS function, staged SOC design
- ✓ Charging mode optional: utility/solar power priority, solar charging, hybrid charging
- ✓ Power saving mode function; reduces no-load loss
- ✓ Integrated design, built-in controller, inverter, battery and BMS
- ✓ With lithium-ion battery activation function, supports lead-acid battery, colloid battery



Villa



Hotel



Residential electricity



Hospital



Museum



No electricity area



Farm

Technical Data

HAS-3K5020

HAS-5K8020

PV Input

Maximum Input Power	2.8 kW	4.5 kW
MPPT Voltage Range	60~145 V	
Rated Input Voltage	105 V	
Number Of MPPT	1	1+1
Maximum Charging Current By PV	50 A	40+40 A

Battery (Built-in)

Battery Type	Lithium	
Rated Input Voltage	48 V	
Voltage Range	45~60 V	
No Load Loss	<1 A	
Rated Energy	5.12 kWh	10.24 kWh

AC Input (Bypass)

Rated Voltage	220 V	
Input Voltage Range	185~280 V ±2%	
Input Frequency	50/60 Hz (47~55 / 57~65)	
Overload Current	40 A	
Maximum Charging Current By Bypass	20 A	
Maximum Charging Current By PV	50 A	40+40 A

AC Output

Rated Input Power	3 kVA	5 kVA
Peak Output Power	5 kVA	8 kVA
Output Voltage	220 V ±5%	
Output Frequency	50/60 Hz ±1%	
Output Waveform	Sine Wave	
THDi (Rated Power)	<3%	
Peak Efficiency	>90%	
Overload Capacity	120%, 60s / 150%, 10s	

General Data

Ingress Protection Rating	IP20	
Noise	≤55 dB	
Temperature Range	-20~45°C	
Relative Humidity	5%~95%, Non-condensing	
Altitude	≤5000 m (>1000 m Derating)	
Cooling Method	Smart Fan Cooling	
Isolation Method	High Frequency Transformer	
Display	LCD+LED	
Communication	RS485-RTU	
Weight	75 kg (U-Box: 15 kg)	120 kg (U-Box: 15 kg)
Dimension (WxDxH)	600x550x720 mm (U-Box: 482x133x462 mm)	600x550x920 mm (U-Box: 482x133x462 mm)

