

Hope-1



/ Product Features



Easy Installation



Web/App interface with rich content and optional remote control



Fast charging and ultra-long battery life



Intelligent temperature control with various safety and fire protection functions



Simple design for modern home integration



Compatible with multiple working modes

Project	Parameters	
Battery parameters		
Model	SFQ-H5K	SFQ-H10K
Power	5.12kWh	10.24kWh
Rated voltage	51.2V	
Operating voltage range	40V~58.4V	
Type	LFP	
Communications	RS485/CAN	
Operating temperature range	Charge: 0°C~55°C	
	Discharge: -20°C~55°C	
Max charge/discharge current	100A	
IP protection	IP65	
Relative humidity	10%RH~90%RH	
Altitude	≤2000m	
Installation	Wall-mounted	
Dimensions (W×D×H)	480mm× 140mm × 475mm	480mm× 140mm × 970mm
Weight	48.5kg	97kg
Inverter parameters		
Max PV access voltage	500Vdc	
Rated DC operating voltage	360Vdc	
Max PV input power	6500W	
Max input current	23A	
Rated input current	16A	
MPPT operating voltage range	90Vdc~430Vdc	
MPPT lines	2	
AC input	220V/230Vac	
Output voltage frequency	50Hz/60Hz (automatic detection)	
Output voltage	220V/230Vac	
Output voltage waveform	Pure sine wave	
Rated output power	5kW	
Output peak power	6500kVA	
Output voltage frequency	50Hz/60Hz (optional)	
On grid and off grid switching [ms]	≤10	
Efficiency	0.97	
Weight	20kg	
Certificates		
Security	IEC62619,IEC62040,VDE2510-50,CEC,CE	
EMC	IEC61000	
Transport	UN38.3	