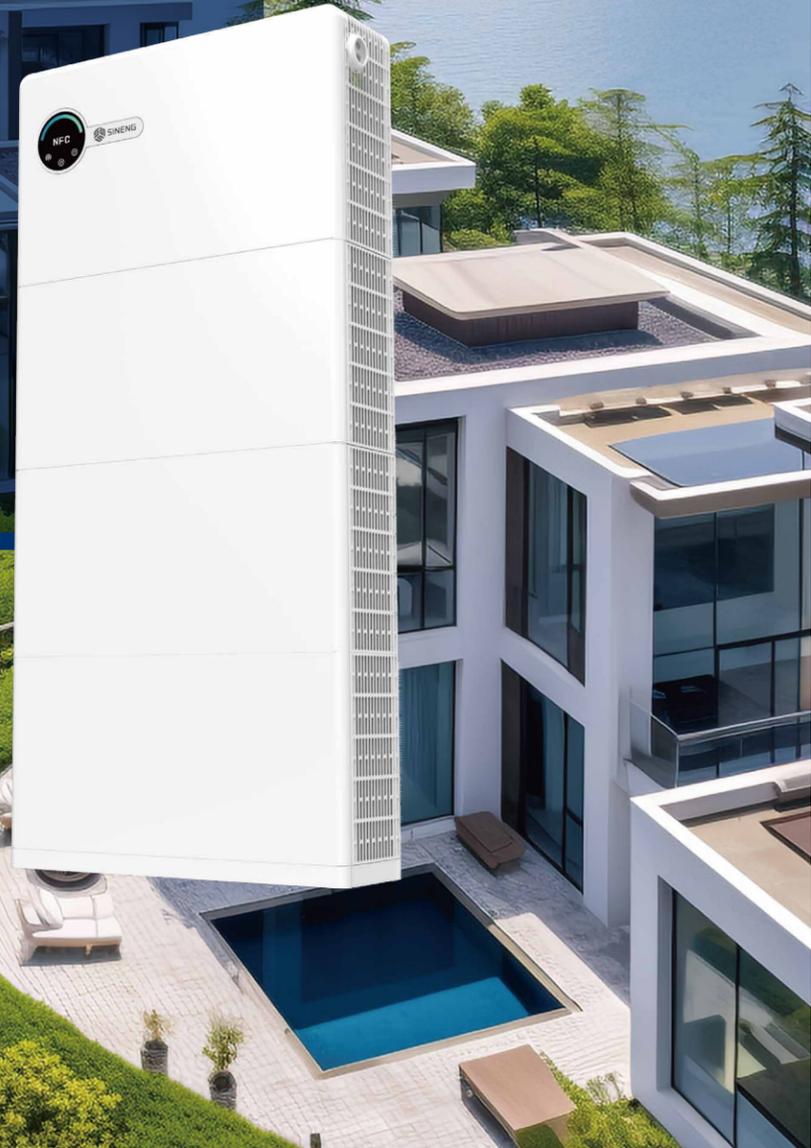


5.0/6.0/8.0/10/12/15kW
6.4/12.8/19.2/25.7kWh

Residential All-in-One

- **340Ah Automotive-grade Cells**
Safety beyond the specs.
- **Flexible Battery Expansion**
Mix old and new batteries.
- **8,000 Cycles with Manufacturer's Warranty**
Built to last for years.
- **Plug-and-Play Installation**
No wiring maze.
- **IP66-rated for Outdoor Use**
Ready for any environment.
- **230mm Ultra-thin Design**
More power, less space.
- **Smart Monitoring (Enjoy Solar)**
Energy control in your hand.



System Configuration [SN 5.0/6.0/8.0/10/12/15 HTC]+N*[EM-6.4KWH-HA]

Power Controller	SN5.0/6.0/8.0/10/12/15HTC			
Number of power controller	1			
Battery Modules	EM-6.4KWH-HA			
Number of battery modules	1	2	3	4
Usable battery capacity	6.4kWh	12.8kWh	19.2kWh	25.7kWh
Rated charging/discharging power	3kW	6kW	9kW	12kW
Weight	103.54kg	171.54kg	239.54kg	307.54kg
Dimensions (W*H*D)	750*863.5*231mm	750*1233.5*231mm	750*1603.5*231mm	750*1973.5*231mm
Base dimensions (W*H*D)	750*78.2*213.4mm			
Display	LED & APP & NFC			
Communication	Wifi/4G/Ethernet, RS485			
Protection degree	IP66			

Power Controller	SN5.0HTC	SN6.0HTC	SN8.0HTC	SN10HTC	SN12HTC	SN15HTC
Recommended max. PV power (STC)	7.5kWp	9.0kWp	12kWp	15kWp	18kWp	22.5kWp
Startup voltage	180V					
MPPT operating voltage range	160-950V					
Number of PV inputs	2		3			
Max.PV input current	18A					
Max. short circuit current	25A					
Nominal grid voltage &frequency	220/380V, 230/400V, 240V/415V 50/60Hz					
Nominal grid output power	5kW	6kW	8kW	10kW	12kW	15kW
Max. grid output power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA
Max. grid output current	8.4A	10A	13.4A	16.7A	20A	25A
Max. input power from grid	22.5kVA					
Power factor range	0.8 lagging-0.8 leading					
Nominal output power(Back-up)	5kW	6kW	8kW	10kW	12kW	15kW
Peak output power(Back-up)	7.5kVA, 60S	9kVA, 60S	12kVA, 60S	15kVA, 60S	18kVA, 60S	18kVA, 60S
Switch time to EPS mode	10ms					
Cooling Method	Natural			Smart fan cooling		
Operation temperature	-25 ~ 55°C					
Weight	31kg			33kg		
Protection	Anti islanding protection, Leakage current protection,PV reverse protection, Arc-fault circuit-interrupter, Surge protection(DC II/AC II)					

Battery Packs EM-6.4KWH-HA

Battery cell Type	LFP 3.2V/340Ah 1P6S
Output voltage Range	361.2~492.75V
Rated charging/discharging power	3kW
Operation temperature	Charge: -15~45°C, Discharge: -15~50°C
Installation method	Ground-mounted
Weight	68kg
Topology	Isolated