

SUNKWH

Energy Solution

Green Energy, Smart Storage



ABOUT US

Your Storage Partner

18+ Years of Experience | 30+ Patents | R&D Driven | Global Export |
Delivering reliable energy storage and solar solutions worldwide.

500 + IC projects



Industrial and Commercial projects

3000 + households



Household projects

800 + GWh



Annual power generation



CORE STRENGTHS

SUNKWH provide full-scenario energy storage solutions, including Microgrid, Hybrid Solar-storage Solution, covering industrial, commercial and residential.

SUNKWH master core energy storage technologies including battery cells, BMS, EMS, PCS, delivering integrated energy support.



Precision Production



Certified Safety



24/7 After-Sales



Energy Storage System

Power Your Life,
Green Your Future



SUN-16K

16kWh 51.2V



SUN-11.7K

11.7kWh 51.2V



SUN-5.22K

5.22kWh 51.2V



SUN-LITE

5.2kWh
51.2V 102Ah
440*500*132mm



SUN-LAR

2.94kWh
12.8V 230Ah
502*186*241mm



Green



Quality Assurance



Waterproof

Model	SUN-5.22K	SUN-11.7K	SUN-16K	SUN-16K Pro
Nominal Voltage	51.2 Vdc			
Nominal Capacity	102 Ah	230 Ah	314 Ah	
Battery Energy	5.22 kWh	11.7 kWh	16 kWh	
Charge Current	50 A	100 A	150 A	
Charge Power	2.56 kW	6.14 kW	7.68 kW	
Discharge Current	100 A	170 A	200 A	
Discharge Power	5.12 kW	8.7 kW	10.24 kW	
Short Circuit Current	350 A	540 A	540 A	
Display	Color touchscreen			
Communication	CAN, RS485, RS232			
Dimension (W×D×H mm)	440*138*600 mm	465*230*695 mm	450*230*800 mm	495*231*780 mm
Weight (kg)	47.3 kg	93 kg	120 kg	120.4 kg
Installation	Floor Stand or Wall Mount		Floor Stand	
Operating Temperature	Charge: 0~55℃ / Discharge: -20℃ ~ 55℃			
Operating / Storage Humidity	≤ 95% RH			
Max Operating Altitude	≤ 2000 m			
IP Rating	IP20			IP65
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate			
Cycle Life	6000 Cycles @ 80% DoD / 25℃ / 0.5C, 60% EOL		8000 Cycles @ 80% DoD /25℃ / 0.5C, 60% EOL	
Scalability	Max 15 batteries in parallel	Max 63 batteries in parallel		
Certificates	IEC 62619, IEC 61000, IEC 62040, UN38.3, CE			
Product Ordering Part	SUN-5.22K Battery (Cable / wall mount included)	SUN-11.7K Battery (Cable / wall mount included)	SUN-16K Battery (Cable included)	SUN-16K/IP65 Battery (Cable / wall mount included)

* Specifications in this datasheet are subject to change without notice.

MATCH MAINSTREAM INVERTER

GOODWE

SAT

MUST®

AESS

GROWATT

solis

SRNE

MEGAREVO

SMA

Deye

SO FAR

PRODUCTION WORKSHOP

From cells to products, built to strict standards.



Cell Processing



Testing



System Integration



Package

APPLICATION SCENARIOS



Capacity of Solar: 18.15kW
ESS: 48kWh



Capacity of Solar: 12.9kW
ESS: 16kWh



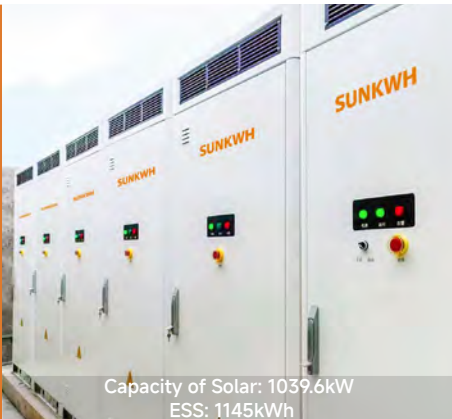
Residential ESS

- Save Costs
- Keep Power
- Go Self-Sufficient



C&I Energy Storage

- Peak-Shaving Savings
- Backup Power

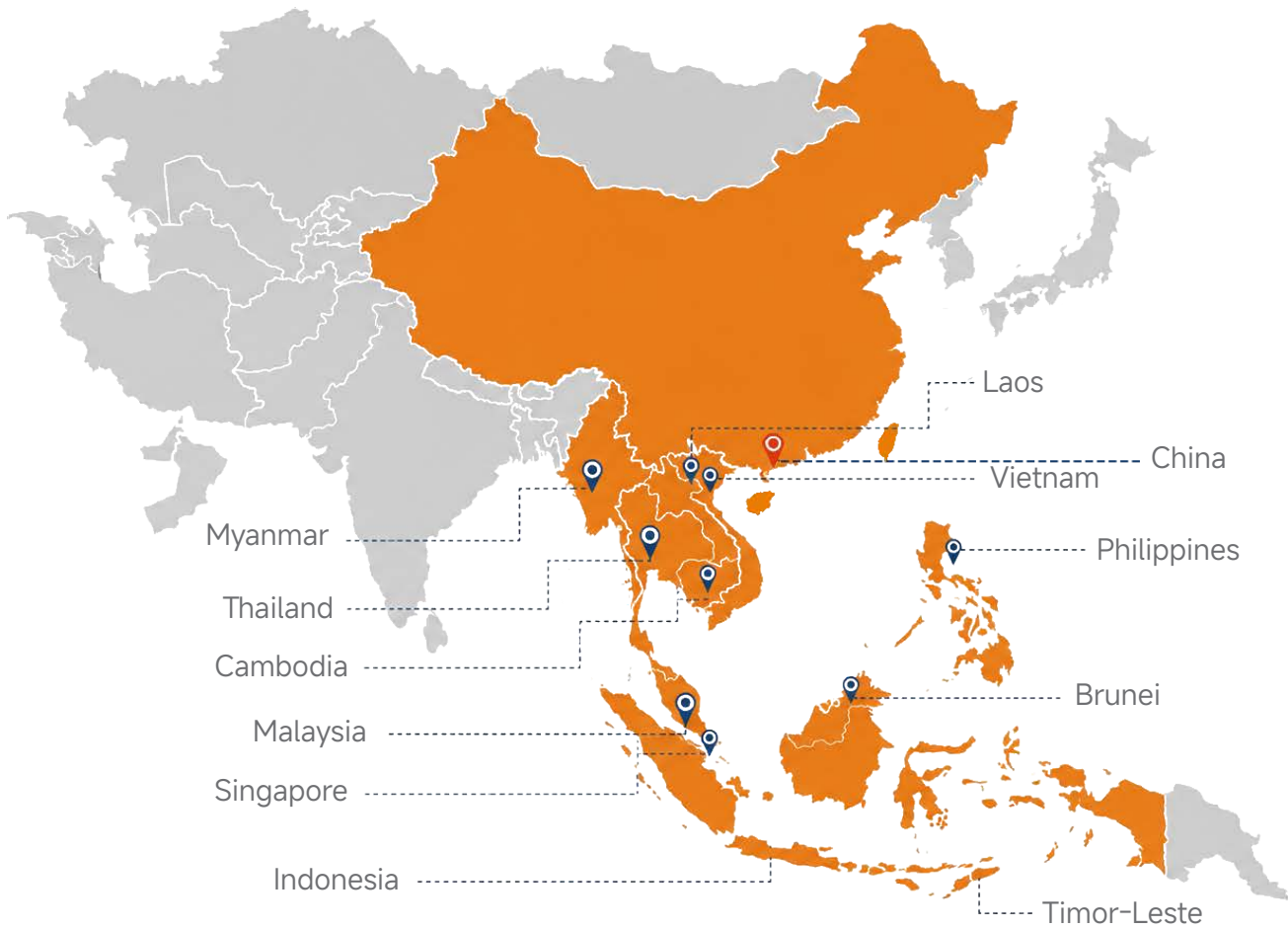


Capacity of Solar: 1039.6kW
ESS: 1145kWh



Capacity of Solar: 599.68kW
ESS: 783kWh

Service Area



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Email: info@sunkwh.com

Add: Nanhai District, Foshan City, Guangdong Province



TikTok



YouTube



Instagram



Facebook

SUNKWH reserves the right to modify specifications and features without prior notice

www.sunkwh.com