

250kW PCS /488kWh BATTERY

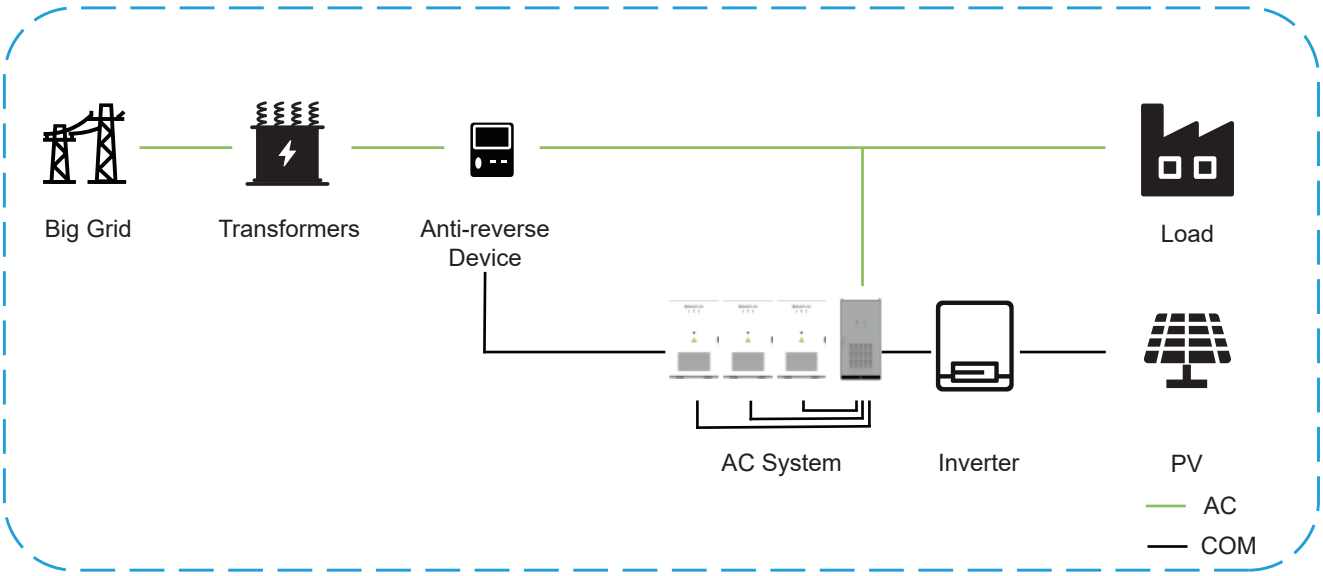
Liquid Cooling Commercial & Industrial Energy Storage System

Safe and Reliable
Lithium Iron Phosphate (LFP) battery cells, real-time online diagnosis, multi-level fuse protection, multiple fire-fighting systems, and system-level physical isolation.

Easy Deployment
All-in-one highly integrated design;
Factory pre-assembly design significantly reduces on-site installation complexity.

Worry-Free Expansion
Modular design enables multi-system expansion without the need for overall system modification.

Intelligent Operation and Maintenance
Cloud-edge collaboration technology enables remote real-time system monitoring and unmanned real-time supervision.

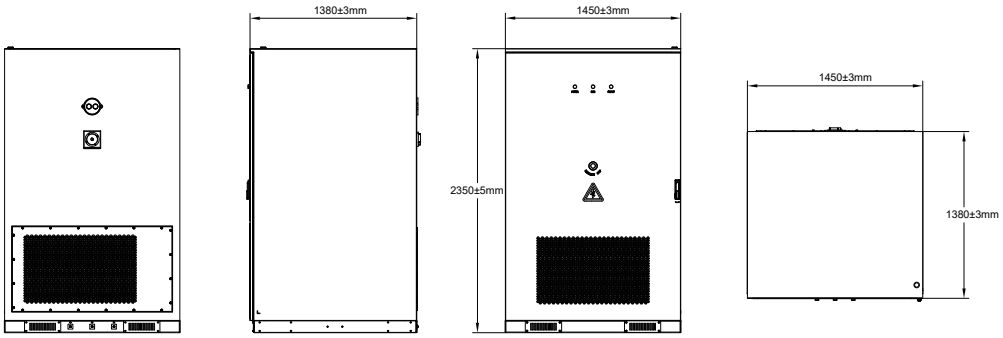


SUNKET-ESS

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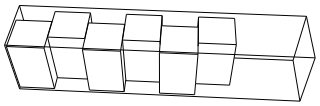


Model		SKTESS488-250K
DC	Battery Type	LiFePO4
	Nominal Capacity	587Ah
	Battery Configuration	1P260S
	Nominal Energy	488.384kWh
	Nominal Voltage	832V
	Operating Voltage Range	728~936V
	Charge / Discharge Rate	0.5P
	Max. Charge-discharge Efficiency	94%(@25°C~30°C , 0.5P)
	Cycle Life	≥ 6000 (@25°C ± 2°C , 0.5P / 0.5P, 70% EOL)
	Fire Protection System	Aerosol
AC Output	Rated Charge / Discharge Power	244kW
	Max Charge / Discharge Power	250kW
	Rated Output / Grid Voltage	400V
	Grid-connected Voltage	300-460V
	Off-grid Output Voltage Range	400V±2%
	Allowed Grid Frequency	50 / 60Hz
	ThDu	＜3% (Linear Load)
	ThDi	＜3% (Rated Power)
	AC Wiring	3L+ N
	Power Factor	>0.99 (Power Factor Range: -1 ~ +1)
System	Ingress Protection	Battery compartment: IP55, Electrical compartment: IP54
	Anti-Corrosion Grade	C3
	Max. System Efficiency	88%
	Operating Environment Temperature	-20°C~55°C
	Relative Humidity	0-95%(non-condensing)
	Max. Working Altitude	3000m(＞2000m derating)
	Communication	RS485 / Ethernet
	Cooling	Liquid Cooling
	Dimension	1450±3 × 1380±3 × 2350±5mm
	Net Weight	4100±20kg
	Max. Parallel	4 pcs

Packing Configuration

Single Dimension	1506×1536×2520mm
Container	40'HQ
Pieces per Container	6

40'HQ



7 PIECES CONTAINER

Specifications are subject to change without further notification

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