

500kW PCS / 1.2MWh Battery Container

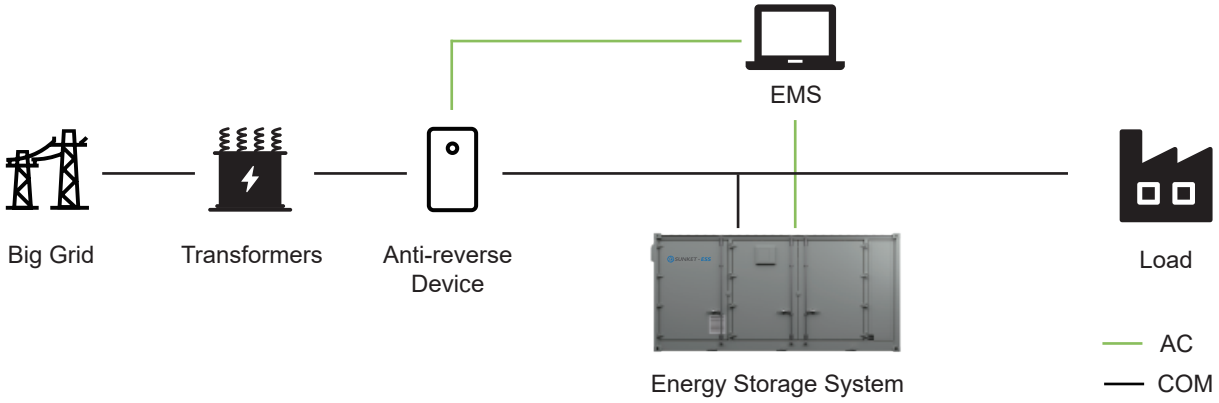
Air Cooling Commercial & Industrial Container ESS

High Integration and Convenient Deployment
20-foot standard container design, integrating 5 battery cluster units, compatible with road/railway/marine transportation, ready for delivery upon arrival, shortening the installation cycle.

Strong Environmental Adaptability
Protection class IP54, RAL7035 anti-corrosion coating + galvanized steel sheet for the shell, dustproof, waterproof, anti-corrosion, and shockproof design, BMS mean time between failures ≥ 40000h, stable and durable in harsh outdoor environments.

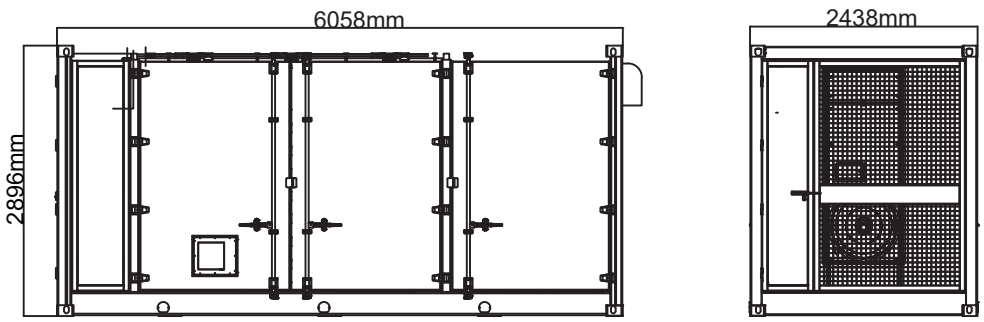
Comprehensive Safety Protection
Three-level protection for battery clusters, three-level software protection for BMS, independent heptafluoropropane fire extinguishing in the electrical cabin, linkage with explosion-proof smoke exhaust fans, early warning and suppression of thermal runaway.

Intelligent and Efficient Management and Control
BMS three-level architecture, ≤ 100mA passive balancing, EMS supporting 5 working modes, multiple interfaces (RS485/CAN/Ethernet) linked with photovoltaic/power grid/diesel generator, total current harmonic distortion rate ≤ 2%, maximizing energy utilization efficiency.



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	Model	SKTESS1200-500K
PV Input	Max.PV Input Voltage	1000V
	Max.PV Power	600 / 660 / 720kW
	MPPT Module Quantity	10 / 11 / 12
	MPPT Voltage Range	250-850V
	MPPT Voltage Range@Full Load	450-850V
Battery	Battery Type	LiFePO4
	Cell Capacity	314Ah
	Battery Configuration	1P240S *5
	Nominal Energy	1205.76kWh
	Nominal Voltage	768V
	Operating Voltage Range	624V-864V
	Max.Continuous Charge / Discharge Current	157A
	Charge / Discharge Rate	0.5P
	Cycle Life	≥ 6000(@25°C ± 2°C , 0.5P / 0.5P, 70% EOL)
System	Max. AC Output Power	500kW
	Grid Type	3L+(N)+PE
	AC Output Frequency	50 / 60HZ
	AC Output Voltage	Supports voltage ratios of 6 / 10 / 12 / 24 / 33 / 35KV
	Ingress Protection	IP54
	Anti-Corrosion Grade	C3 (C4 Optional)
	Max. System Efficiency	88%
	Charging Operating Temperature	0°C ~45°C
	Discharge Operating Temperature	-20°C~45°C
	Relative Humidity	5~95 % (non-condensing)
	Max. Working Altitude	3000(＞2000m derating)
	Communication	Modbus TCP, IEC104
	Cooling	Intelligent Air Cooling
	Dimension	6058 × 2438 × 2896 mm
	Net Weight	26T

Specifications are subject to change without further notification
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