

1MW PCS / 2.41MWh Battery Container

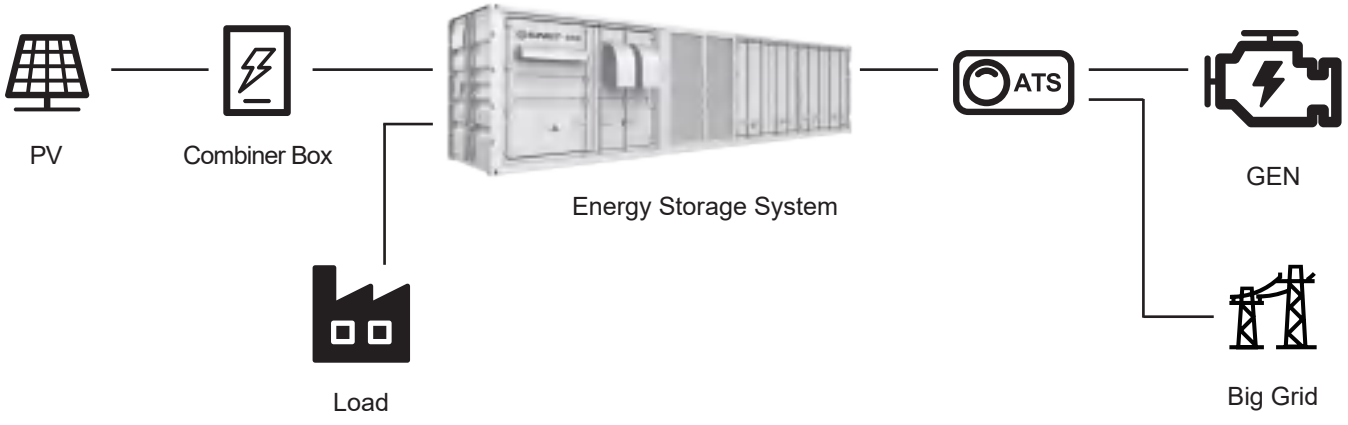
Air Cooling Commercial & Industrial Container ESS

Intelligent Temp Control & Fire Dual Protection
Wide-temperature operation extends battery life; smoke-temperature linked clean gas fire extinguishing with automatic interlock, no damage to internal electrical devices.

String-Based Solution
Each battery cluster is independently managed, enhancing system reliability and stability.

All-in-One Design
Highly integrated 3S system, cooling system, and fire protection system, delivering greater capacity within a smaller footprint.

Standard 40ft Container
Pre-tested and pre-installed before delivery, enabling easy transportation, simple commissioning, and shorter lead times.



SUNKET-ESS

SUNKET - ESS

	Model	SKTESS2410-1000K
Battery	Cell Specification	LiFePO4/314Ah/3.2V
	Nominal Capacity	3140 Ah
	Pack Configuration	16.0768kWh / 1P16S
	Nominal Energy	2411.52 kWh / 10P240S
	Nominal Voltage	768V
	Operating Voltage Range	672V-852V
	Max.Continuous Charge /Discharge Current	785A
	Charge /Discharge Rate	0.5C
	Cycle Life	≥ 6000(@25 ± 2°C , 0.5C / 0.5C, 70% EOL)
AC	Rated Output Power	500kW
	Rated Voltage	400V
	Rated Output Current	722A
	Grid Voltage Range	320~460V
	Maximum Apparent Power	550kVA
	Rated Frequency	50±5Hz/60±5Hz
	THDi (On-grid / Grid-tied)	＜3%
	THDu (Off-grid / Stand-alone)	＜3%
	Power Factor	-1 ~ +1
	Overload Capacity	110% continuous, 120% for 1 min
	Grid Type	3W+PE
	On-grid / Off-grid Switching	Support
PV	Maximum PV Input Voltage	1000V
	Maximum PV Power	825kW
	MPPT Operating Voltage Range	250~1,000V
General	Display / Touchscreen Display	Touch LCD Display
	Fire Suppression System	Aerosol system
	Noise Level	<75
	Ingress Protection	IP54
	Anti-Corrosion Grade	C3(C4 Optional)
	Max.System Efficiency	≥87%
	Charging Operating	-30°C~45°C (Derating after 45°C)
	Discharge Operating	-30°C~45°C (Derating after 45°C)
	Relative Humidity	0~95% RH (non-condensing)
	Max.Working Altitude	5000m (Derating above 3000m)
	BMS Communication	Modbus TCP / IP
	Local Communication	RS485/ Ethernet
	Battery cabinet Cooling	Intelligent Air Cooling
	Dimension	12192×2438×2896 mm
	Net Weight	28T

Specifications are subject to change without further notification
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