

1MW PCS / 2.41MWh Battery Container

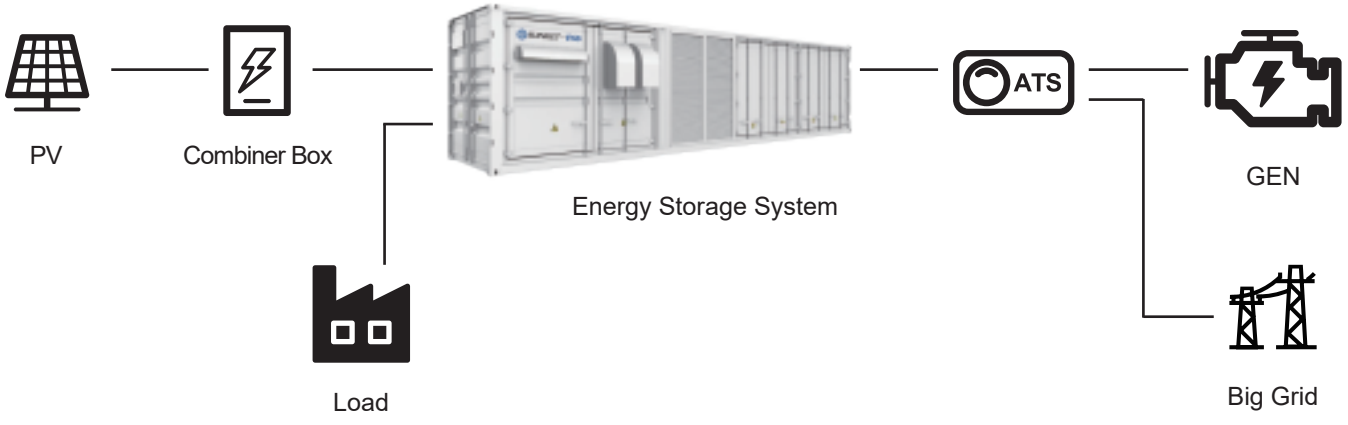
Air Cooling Commercial & Industrial Container ESS

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
DC Side	Cell Type	LFP / 314 Ah
	Pack Configuration	16.0768 kWh / 1P16S
	System Configuration	2411.52 kWh / 10P240S
	Rated DC Voltage	768 V
	DC Voltage Range	672 ~ 852 V
	Max. Charge / Discharge Rate	0.5 P
	Max. Depth of Discharge	100% (25 ± 2 °C)
AC Side	Rated Output Power	1000 kW
	Max. Apparent Power	1100 kVA
	Rated AC Voltage	400 V
	AC Voltage Range	±15%
	Grid Type	3W+N+PE
	Rated Frequency	50 Hz
	Power Factor	-1 ~ +1
	THDi	≤3%
	DC Ratio	＜0.5% Ipn
PV	Maximum photovoltaic input voltage	1000V
	Maximum photovoltaic power	1,320/1,485/1,650kW
	MPPT Operating voltage range	250~1,000V
	Buck-Boost Mode	Self-adaptive
General	Round Trip Efficiency	≥ 87%
	Cycle Life	≥ 8000 cycles
	Communication	Modbus TCP / IP
	Fire Suppression System	Aerosol system(pack level and container level), water spray system
	Ingress Rating	IP54
	Cooling	Liquid cooling+Forced air cooling
	Operating Environment Temperature	-30°C~45°C
	Anticorrosion Rating	C3
	Humidity	0~95% RH (non-condensing)
	Noise	≤ 80 dB
	Altitude	5000m (Derating above 3000m)
	Dimensions (W*D*H)	12192 × 2438 × 2896 mm
	Weight	28T

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