

COMMERCIAL & INDUSTRIAL

Star

Integrated outdoor storage cabinet



Product illustration. Final equipment configuration is subject to confirmation.

Rated power

105 kW

Rated energy

215 kWh

System efficiency

≥88%

One outdoor system

Battery, PCS, thermal management and fire protection in one compact cabinet, designed for limited-space sites.

Controlled temperature

Liquid cooling for the battery and forced-air cooling for electrical components. Source-reported cell temperature difference $\leq 3^{\circ}\text{C}$.

Connected operation

On-grid/off-grid support, multi-cabinet expansion and remote access to operating status, battery data and fault warnings.

APPLICATIONS

Industry · Commercial buildings · Residential complexes · Solar canopies & EV charging

Star

OES-105/215L / Technical specifications

ELECTRICAL & BATTERY

Product model	OES-105/215L
Rated power / energy	105 kW / 215 kWh
Battery chemistry	Lithium iron phosphate (LFP)
Cycle life	6,000 cycles (90% DoD, 25°C, 70% end-of-life capacity)
AC voltage / frequency	400 V / 50-60 Hz
System efficiency	≥88% (measured conditions in source)

THERMAL, SAFETY & CONTROL

Cooling	Battery: liquid cooling / electrical: forced-air cooling
Fire protection	Perfluorohexane automatic fire extinguishing
Communication interface	RS-485 / RJ-45
Communication protocol	Modbus RTU/TCP
Protection	IP65 battery compartment / IP54 electrical compartment
Corrosion resistance	C3

SITE REQUIREMENTS

Operating temperature	Charging: 0°C to 35°C / discharging: -20°C to 55°C
Dimensions (W × D × H)	Approx. 1,400 × 1,500 × 2,200 mm, excluding air conditioning and canopy
Weight	≤3,000 kg

REFERENCED STANDARDS

Standards listed in source	IEC 62619, CE, UN 38.3
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SOURCE & CONFIGURATION NOTES

Charging and discharging have different temperature limits, as stated in the specification table. Garbled temperature symbols in the source are normalized to °C using its surrounding technical text. Listed standards and performance values require configuration-specific confirmation.