250 kW / 488 kWh Smart Energy Storage Liquid Cooling All-in-One Cabinet

MODEL C · HIGH POWER

Double the converter, double the capacity. 276 kW of peak output and 587 Ah cells in a 1P26S string — fewer components per megawatt-hour, higher density, less cabling on site.



250kW	488kWh	≥98.5%	5t
RATED POWER	CAPACITY	CONVERTER EFF.	WEIGHT

AC GRID PARAMETERS

Rated power	250 kW
Max. output power	276 kW
Rated grid voltage	400 Vac
Allowable grid voltage	400 Vac
Rated grid frequency	50 / 60 Hz
Power factor	0.99 / 1 – 1
THDi	<2%
Connection method	Three-phase four-wire

OFF-GRID AC PARAMETERS

Rated output voltage	380 Vac
Rated output power	125 kW
Rated output frequency	50 Hz
THD(U)	≤1% linear load
Overload capability	1.1× long duration (45 °C), 1.2× for 1 min

BATTERY SYSTEM

Battery system capacity	488 kWh
Cell type	LFP 3.2 V / 587 Ah
Configuration	1P26S
Rated voltage	832 Vdc
Voltage range	650–949 Vdc

SYSTEM EFFICIENCY

Converter max. efficiency	≥98.5%
Max. system efficiency	>88%
Charge / discharge rate	≤0.5 C

PROTECTION & SAFETY

DC input protection	Yes
AC input protection	Yes
AC output protection	Yes
Overvoltage protection	DC Type II / AC Type II
Fire suppression	Perfluorohexanone + water fire-fighting interface

GENERAL PARAMETERS

Dimensions (W×D×H)	1540×1550×2400 mm
Weight	5 t
Cable entry	Bottom in / bottom out
Ambient temperature	-20 ~ +40 °C
Ambient humidity	≤95%
Operating altitude	≤3000 m (derating above)
Protection class	IP54
Cooling method	Liquid cooling
Communication	RS485 / CAN / Ethernet

Certifications & compliance: IEC 62619 · IEC 62933 · UL 1973 · CE · UN 38.3 | **Warranty:** 10-year limited warranty · ≥80% capacity after 6,000 cycles · 24 h response / 48 h on-site service

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Specifications subject to change without notice.