125 kW / 261 kWh Smart Liquid-Cooled All-in-One Cabinet

MODEL A · COMPACT C&I

AC-side independent architecture, a 1P260S LFP string and 125 kW of conversion in a 1150 mm-wide enclosure — under 1.7 m² of floor space, ready to energise as a single unit.



125kW	261kWh	≥98%	2.5t
RATED POWER	CAPACITY	SYSTEM EFFICIENCY	WEIGHT

AC GRID PARAMETERS

Rated power	125 kW
Max. output power	137.5 kW
Rated grid voltage	380 Vac
Allowable grid voltage range	340–440 Vac
Rated grid frequency	50 Hz
Power factor	0.8 leading – 1.0 lagging
THDi	≤5% at rated output
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	261 kWh
Cell type	LFP 3.2 V / 314 Ah
Configuration	1P260S
Rated voltage	832 Vdc
Voltage range	689–949 Vdc

SYSTEM EFFICIENCY

Converter max. efficiency	≥98.5%
Max. system efficiency	≥98%
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)	1150×1450×2400 mm
Weight	2.5 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 remote response

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Specifications subject to change without notice.