D-Cube Series

D-Cube-S125/261

HOENERGY
HOLD YOUR ENERGY



Intelligent Liquid-Cooled Integrated Energy Storage Cabinet
(125 kW / 261 kWh)

Flexible & Efficient

- AC and DC systems can be independently designed for flexible configuration
- No parallel circulating current, significantly reducing energy loss
- Lightweight modules for easy installation

Safe & Stable

- Equipped with a three-level fire protection system for comprehensive system safety
- Precision liquid cooling temperature control ensures long-term stability, with cell temperature difference ≤ 3° C Battery
- balancing management extends battery lifespan

Intelligent & Collaborative

- Intelligent switching strategies for different scenarios: peak shaving & valley filling, capacity management, dynamic expansion, renewable energy consumption, and planned curve response
- Local and cloud monitoring integration enables rapid digital diagnostics and automated intelligent inspections
- 3S collaboration with EMS closed-loop safety logic ensures overall system security

Model No.		D-Cube-S125/261
AC Output (Gridside)		
AC Rated power	kW	125
AC Max. power	kW	137.5
AC rated voltage	Vac	380
AC allowed voltage	Vac	340~460
Rated frequency	Hz	50
Adjusted PF range		-1 (leading) ~1 (lagging)
THDI	%	<3% (Rated output power)
AC input model		3P+N+PE
AC Output (Back-up)		
Rated output voltage	Vac	380
Rated output power	kW	125
Rated output frequency	Hz	50
THDU	%	<3%(linear load)
Overload capability		110% continuous (45° C), 120% for 1 min
Battery Data		
Battery type		LFP
Battery cell capacity	V/Ah	3.2/314
Battery cell combination		IP260S
Nominal capacity	kWh	261
Nominal voltage	V	832
Voltage range	V	689~949
System Efficiency		
Max. inverter efficiency	%	≥ 98.5
Max. system efficiency	%	≥ 88
Charge/Discharge rate (C-rate)	P	≤ 0.5
Protection		
DC input		YES
Inverter AC protection		YES
AC Output protection		YES
Overvoltage protection		DC Type II/AC Type II
Fire protection		Combustible gas detector, Heat detector, Smoke detector, Alarm sounder, aerosol fire extinguishing equipment
General Parameters		
Battery typeDimensions (W × D × H)	mm	1150*1450*2350
Weight	t	2.5
Cable entry/exit		Bottom / Bottom
Operating temperature	° C	-20 ≤ T ≤ 55 (≥ 50 Derated)
Humidity range	%	≤ 95
Altitude	m	≤ 3000 (> 2000 Derated)
Protection grade		IP54
Cooling Method		Liquid cooling
Communication		
Communication protocol		RS485/CAN/Ethernet

*The data sheet will be changed according to actual situation without prior notice.

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