

D-Cube-H Series

D-Cube-H125/261



Multi-Scenario Applications

- Seamless grid/off-grid switching in <10ms for uninterrupted power.
- IP55 and C4 rated for outdoor installation.
- Supports self-consumption, peak shaving, load shifting, and backup power.



Smart & User-Friendly

- Compact and easy to install and maintain.
- Generator integration with automatic start/stop.
- Real-time monitoring via app and remote OTA updates.



Modular Design

- Integrated solar + storage, multiple PV string inputs, max 214A per string.
- Supports complex rooftops and up to 10 inverters in parallel.
- PV array capacity up to 2x total inverter rating for maximum utilization.



Safe & Reliable

- Independent battery clusters to prevent circulating currents.
- Pack + cabinet with water-based fire suppression and three-level fire protection.
- Advanced BMS with multi-point sampling and real-time data feedback.

Model No.	D-Cube-H125/261	
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Battery Data		
Battery type		LFP
Battery cell capacity	V/Ah	3.2/314
Battery cell combination		260S1P
Nominal capacity	kWh	261.24
Rated voltage	V	832
Voltage range	Vdc	754-949
Max charge/discharge current	A	182
Depth of discharge	%	95
Cooling method		Liquid cooling
Fire protection		Pack aerosol

Hybrid Inverter Data		
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DC Input (PV)		
Recommended Max. input power	kW	240
Max. DC input voltage	V	1000
Rated DC input voltage	V	600
Start-up voltage	V	180
MPPT voltage range	V	180~950
No. of MPPT		10
Max. input current	A	10X42
Max. short circuit current	A	10X60
Max. input strings number		20

AC Output (Grid)		
Rated output power	kW	125
Max. apparent output power	kW	125
Rated grid voltage	V	3/N/PE, 230/400 3/N/PE, 220/380
Rated grid frequency	Hz	50/60
Max. output current	A	180.4/189.9
Max. input current	A	250

AC Output(Back-up)		
Rated output power	kW	125
Max. apparent output power		1.2 times of rated power, 10mins 1.4 times of rated power, 100s 1.6 times of rated power, 10s 2 times of rated power, 200ms
Back-up switch time	ms	<10
Rated grid voltage	V	3/N/PE,230/400 3/N/PE,220/380
THDv(@linear load)	%	≤2

System Data		
Dimensions (WxDxH)	mm	1180x1800x2200
Base dimensions (WxD)	mm	1000x1350
Weight	t	2.62
Protection grade		IP55
Anti-corrosion grade		C4
Operating temperature	°C	-25~+55(≥45 Derate)
Relative humidity	%	≤95
Fire protection		Pack&Cabinet Aerosol +Water fire interface
Altitude	m	≤4000(≥2000 Derate)
PCS Cooling method		fan cooling

Communication		
Communication protocol		CAN, RS485, Ethernet , Wi-Fi (selectable) , Cellular (selectable) , LAN (selectable)

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

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