D-Cube-A Series

D-Cube-A500/375/250



D-Cube-A Series: Modular PCS integrated solution, 125KW per PCS module, up to 4 modules.

Independent Design

- Independent design of the AC system and the DC battery system
- Supports 3-phase 4-wire loads without the need for a transformer
- Enables load shifting to optimize time-of-use savings

Safe & Reliable

- Integrated fuse protection within the battery pack for enhanced safety
- Three-level fire protection design utilizing aerosol and water-based fire suppression systems
- Independent single-cluster battery design to eliminate circulating currents

Convenient & Flexible

- Scalable architecture supporting multiple parallel connections for flexible power and capacity expansion
- Designed for easy installation, operation, and maintenance
- Compact footprint and rated for outdoor installation

Smart & User-friendly

- Seamless transition to backup mode during power outages, ensuring uninterrupted power supply
- Advanced BMS with multi-point monitoring, providing real-time data feedback for enhanced system reliability
- Supports diverse applications including power backup, peak shaving, PV self-consumption, PV smoothing

Model No.		D-Cube-A500	D-Cube-A375	D-Cube-A250
AC Output (Gridside)				
Rated power per single_PCS	kW		125	
PCS No.		4	3	2
AC rated power	kW	500	375	250
AC Max. power	kVA	550	412.5	275
THDi	%		<3	
DC component	%		<0.5	
AC rated voltage	AC/V		380/400	
Grid allowed voltage	AC/V		340-460	
AC input model			3P+N+PE	
Rated frequency	Hz		50/60	
Adjusted PF range			1(leading)~1(lagging)	
General Parameter(D-Cube-A500/375/250)				
Dimensions(WxDxH)	mm		730x1350x2200	
Weight	t	0.7	0.6	0.5
Protection grade			IP54	
Anti-corrosion grade			C4/C5	
Operating temperature	℃		-25~55(≥45℃ Derated)	
Humidity range	%		5-95(no condensing)	
Altitude	m		4000(≥2000 Derated)	
Communication protocol			Ethernet/RS485/CAN	
Communication interface			RJ45/CAN	

Model No.		D-Cube-261D		
Battery Data				
D-Cube-261D No.		4	3	2
Battery type			LFP	
Battery cell capacity	V/Ah		3.2/314	
Battery cell combination			IP260S	
Nominal capacity	kWh		261	
Rated voltage	V		832	
Voltage range	V		689~949	
DOD	%		95	
Cooling method			Liquid cooling	
General Parameter(D-Cube-261D)				
Dimensions(WxDxH)	mm		1000X1350X2200	
Weight	t		2.4	
Protection grade			IP55	
Anti-corrosion grade			C4/C5	
Operating temperature	℃		-25~55	
Humidity range	%		5-95(no condensing)	
Fire protection			Cabinet aerosol+Water fire interface	
Altitude			4000(≥2000 Derated)	
Communication protocol			Ethernet/RS485/CAN	
Communication interface			RJ45/CAN	
Certificate			CE-EMC、CE-LVD、TÜV MARK	
Execution standard			UN38.3、IEC 61000-6-2、IEC 61000-6-4、IEC 62477-1、IEC 62619、IEC 63056、EU 1542/2023	

*The data sheet will be changed according to actual situation without prior notice.(Version 2025.04)

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