

EAGLE[®] DCB-5000

DC BLOCK FOR UTILITY, COMMERCIAL, AND INDUSTRIAL APPLICATIONS

The EAGLE[®] DCB-5000 is a high energy density DC battery block with best-in-class safety, reliability, and performance, designed and manufactured by JinkoSolar, one of the industry's most bankable brands.



Intelligent Liquid Cooling



Non-uniform refined flow channels, with a temperature difference $\leq 2^{\circ}\text{C}$



Multiple liquid cooling control modes, reducing system auxiliary power consumption by 20%

Safe and Reliable



Five-level protection from cell to system to prevent thermal runaway



Mixed explosion-proof system with integrated gas and water fire suppression

Higher Efficiency



Rack-level management scheme, RTE increased by more than 2%



Compatible with active equalization technology, enhancing the consistency of cell operation within the Rack

Intelligent Operation and Maintenance



Intelligent control management, efficient commissioning, and reduced operational and maintenance costs



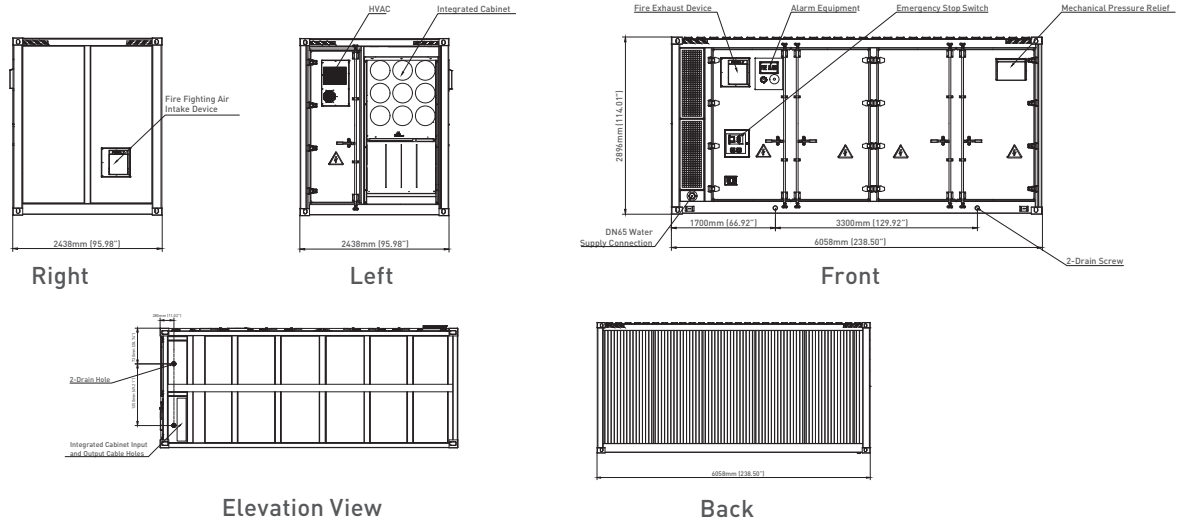
Supports back-to-back and side-by-side placement to increase energy density at the site



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ENGINEERING DRAWINGS



SYSTEM SPECIFICATIONS

MODEL NUMBER	JKS-U-D5-US5000
Type of Cell	314 Ah, Lithium Iron Phosphate (LFP)
Seismic Parameter	IBC Zone 4
Charge/Discharge Rate	0.25C - 0.5C
Configuration of System	1P416S × 12
Rated Capacity	5.01MWh
Rated Voltage	1331.2V
Voltage Range	1164.8 - 1497.6V
Cooling Method	Liquid Cooling
Operating Temperature	-30 to 50 °C
Environmental Humidity	≤95%RH, Non Condensation
Altitude	≤3000m, derating above 2000m
Noise Level	<80dBA, @1m/ 75dB(optional)
Enclosure IP Rating	1P55
Storage Temperature	-20 to 45°C
Corrosion Resistance	C4/C5 (optional)
Fire Protection	Temperature Sensor + Smoke Detector + Combustible Gas Detector + Deflagration Venting + Fire Extinguishing Gas + Water Sprinkler
External Communication Interface	Ethernet/CAN/RS485
Dimensions (L×W×H)	6058 × 2438 × 2896mm (238.50 × 95.98 × 114.02in)
Weight	42000kg

The company reserves the final right for explanation on any of the information presented hereby. JKS-U-D5-US5000