

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



Proprietary liquid channel design, maintains uniform temperature variation of $\leq 2^{\circ}\text{C}$



Optimized liquid cooling controls, reduce system auxiliary power consumption by 20%

Safe and Reliable



Multi-level fire protection from cell to system to prevent thermal runaway



Redundant fire suppression system utilizes both dry agent and water for maximum protection

Higher Efficiency



Rack-level management scheme increases RTE by more than 2%



State-of-the-art BMS ensures uniform cell charging/discharging enhancing long-term performance

Intelligent Operation and Maintenance



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



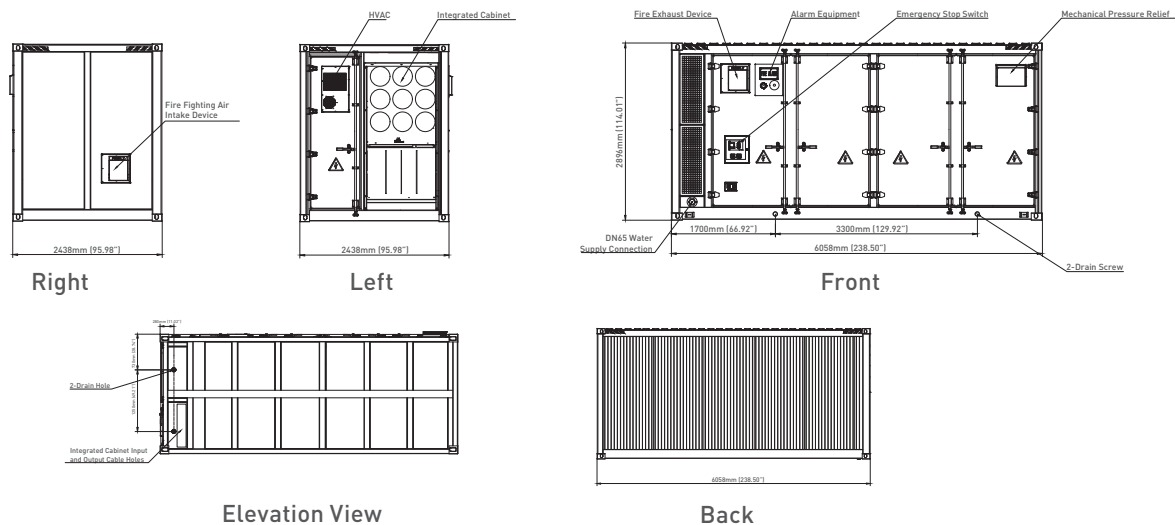
Supports back-to-back and side-by-side layouts to increase energy density at the site



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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 x 95.98 x 114.02in)
Weight	42000kg

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



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