

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



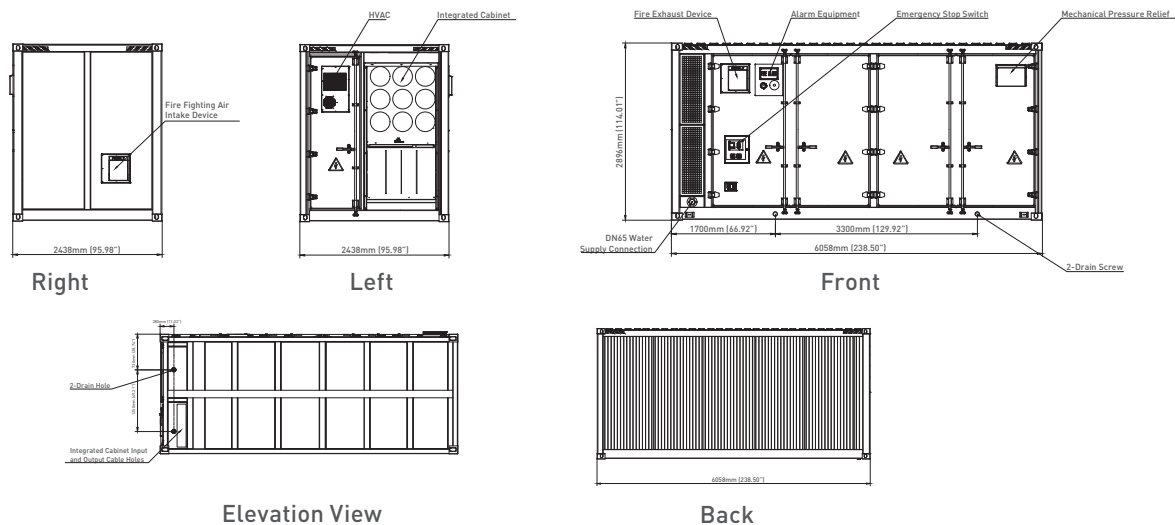
Supports back-to-back and side-by-side layouts to increase energy density at the site



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ENGINEERING DRAWINGS



SYSTEM SPECIFICATIONS

Model Number	JKE-5015K-2H-LAA	JKE-4597K-2H-LAA	JKE-4179K-2H-LAA	JKE-3761K-2H-LAA	JKE-3343K-2H-LAA
System Configuration	1P416S x12	1P416S x11	1P416S x10	1P416S x9	1P416S x8
Capacity (kWh)	5,015	4,597	4,179	3,761	3,343
Weight (kg)	42,000	39,400	36,800	34,200	31,600
General Specifications					
Type of Cell	314 Ah, Lithium Iron Phosphate (LFP)				
Seismic Parameter	IBC Zone 4				
Charge/Discharge Rate	0.25C - 0.5C				
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	IP55				
Storage Temperature	-20 to 45°C				
Corrosion Resistance	C4 / C5 (optional)				
External Communication Interface	Ethernet/CAN/RS485				
Fire Protection System	Detection Sensors: T + H2 + CO + Smoke Prevention: Active Ventilation / Deflagration Suppression: Clean Agent + Water Dry Pipe				
Dimensions (L×W×H)	238.50 x 95.98 x 114.02in (6058 × 2438 × 2896mm)				

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