CYGNI 6.25MWh DC BLOCK

The next generation of higher energy density BESS solution from Cygni with 6.25MWh capacity and ability to support 0.5P operation. Save costs with a smaller area footprint, reduced auxiliary consumption and lower cost of balance of plant.

Better Temperature Control

The liquid cooling scheme keeps cell temprature difference less than 3°C.

Superior Safety

NFPA 855, UL 9540, UL9540A and UL1973 certifications.

Low Auxiliary Power Consumption

Optimized liquid cooling channel with efficient compressor for lower aux power consumption.

Higher Energy Density

Liquid-cooled energy storage container provides high energy density, and saving costs.

Specifications

DC Side	
Cell Type	LFP 587Ah Prismatic Cell
Pack	195.3kWh/104S x 1P
Battery System	6.25MWh/416S x 8P
Voltage Range	1040~1500 Vdc
Rated Voltage	1331.2 Vdc

General	
Round Trip Efficiency	>= 94%
Charge/Discharge Rate	0.5 P
Cycle Life	>= 9,000 cycles
Ramp up/down time	100ms
Connectivity	CAN / Ethernet / RS485
Ingress Rating	IP55
Cooling	Chiller + Liquid Cooling
Operating Temperature	-25°C~55°C
Humidity	0-95%RH. Non-Condensing
Noise	80 dB
Altitude	≤ 2,000m (derating above 2,000m)
Certifications	NFPA 855, UL 9540A, UL 9540, UL 1973, UN38.3 and IEC 61850
Dimensions (W*D*H)	6058*2,550*2,896 (mm)
Weight	< 48 tons

