

# TG-eBlock-417L

## Liquid-Cooling DC Battery Cabinet

- SOC error  $\leq 1\%$ , controll charge/discharge depth, delay aging, and enhance BMS energy efficiency with safety assurance
- Supports the implementation of battery balancing strategies to comprehensively enhance battery pack performance ·Digitalized intelligent operation and maintenance management
- DC-side charge/discharge efficiency  $\geq 95\%$ , enhance efficiency through intelligent energy scheduling



## TG-eBlock-417L Liquid-Cooling DC Battery Cabinet

MODEL	TG-eBlock-417L
<b>Battery Pack Parameters</b>	
Cell Type	LFP
Cell Capacity	314Ah
PACK Configuration	52.25kWh
PACK Voltage	166.4VDC
PACK Protection Level	IP67
Transport Certificate	UN38.3
PACK Protection	FUSE(PACK)
Pressure Relief Valve	Equipped
<b>Battery Cluster Parameters</b>	
Single Battery Cluster Configuration	417.9kWh
Single Battery Cluster Voltage Range	1164.8~1497.6V
Rated Current	157A
Maximum Continuous Current	200A
Charge and Discharge Efficiency	$\geq 95\%$
Depth of Discharge	98%DOD
Cluster Level Protection	DC Circuit Breaker+FUSE(BMS)
Cluster Level Lightning Protection	Equipped
<b>System Parameters</b>	
System Configuration	417.9kWh
DC Side Power	208.9kW
Rated Voltage	1331.2VDC
System Voltage Range	1164.8~1497.6V
System Protection Level	IP55
External Communication	Ethernet, RS485
Cloud Platform	Equipped
Noise	75dB@1m
Cooling Method	Liquid Cooling
Operating Temperature Range	-25°C~55°C
Altitude	$\leq 3000\text{m}$
Relative Humidity	0%~95%RH, No Condensation
PACK Level Fire Fighting	PACK Level Perfluorohexane
System Level Fire Fighting	Perfluorohexane + Water Firefighting (Optional)
Wiring Method	Bottom Entry and Exit Lines
Flammable Gas Detection and Exhaust System	H2 Detection + Explosion-proof Fan
Product Dimensions	1300(W)×1300(D)×2896(H)mm
Equipment Weight	3800kg

- Images for reference only, please refer to the actual product images in the order