

IMMERSION-COOLED BATTERY CONTAINER



Certifications and Compliance

IEC 62619 IEC 61000 UN38.3



Model	KBS-H-D14700
System Parameters	
Rated Capacity	4.5 MWh
Battery Voltage Range	1000V ~ 1500V
Battery Type	LFP 3.2V / 587Ah
Cycle Lifespan	10,000
Module Grouping Method	1P104S
Battery Module	332.8V/195.35kWh
Cluster Grouping Method	4 × 1P104S
System Composition	6 × 1P416S
Voltage Sampling Ratio	1 : 1
Temperature Sampling Ratio	1 : 2 (optional)
BMS Balancing	Active balancing (optional)
Fire Suppression	Active early warning + PACK coolant + PACK-level special gas + container-level gas + water-based (optional)
Thermal Management	Flow immersion liquid cooling
General Data	
IP Rating	IP54
Noise	<80dB
Operating Temperature Range	-35°C ~ +50°C
Relative Humidity	0 ~ 95% (non-condensing)
Weight	≤44t
Communication Protocols	Modbus TCP / TCP/IP / CAN / RS485
Dimension (L×D×H)	6058mm × 2438mm × 2896mm



Ultimate safety for the most critical battery challenges.



High efficiency and deep integration with in-house core components.



Superior compatibility through system-level collaborative optimization.