

CONTAINER SOLUTIONS



2.5-5MW
5MWh

SCALABLE
SOLUTION

FEATURES

- + Equipped with an automatic fire detection and suppression system capable of precise fire identification and targeted extinguishing
- + Designed as a non-walk-in unit, supporting all maintenance operations from the exterior
- + Precision liquid cooling
- + Rack level management for batteries to address the issue of circulating current in parallel connections
- + Modular design to prevent single point of failure
- + Strong environmental adaptability with C4~C5 anti-corrosion degree available, and no derating at 45°C ambient temperature
- + Flexible capacity configuration and customisable MV voltage level of 6~35kv
- + PQ, VF, VSG Operating modes with grid-forming function



**ON-SITE COMMISSIONING +
TECHNICAL SUPPORT**



**REMOTE MONITORING +
MANAGEMENT**



**PRECISION
LIQUID COOLING**



**INTELLIGENT FIRE
SUPPRESSION SYSTEM**

TECHNICAL DATA

Battery Parameters	Container 5MWh
Model	Hubble-C-20-5015-L
Battery Module	332.8V / 104.499kWh
Cells	LFP 3.2V / 314Ah
Balancing	Passive
Storage Capacity	5015kWh
Max Rated Continuous Power	2507.5kW
Nominal Voltage	1331.2V
Operational Voltage Range	1164.8V ~ 1497.6V
Recommended Charge/Discharge	0.5C
Continuous Max Charge/Discharge	0.5C
Smart Cooling	Precision Liquid Cooling
Cycle Life	10 000 cycles at 80% DOD @ 25± 2°C, 70% EOL, 0.5C/0.5C
Fire/Smoke Detection	Temperature, Smoke, Combustible Gas Detectors, Aerosol + Water Fire Suppression
Design Life	15 years

AC On-Grid Parameters	PCS-MV-S 2.5MW	PCS-MV-S 5MW
Rated (Output) Power	2500kW	5000kW
Max AC Charge power	2750kVA	5 500kVA
Voltage Range	690V	
Grid Connection	On Grid	
Topology	Transformer Isolation (690V / 6 - 35kV)	
Static Switch (change over)	On Grid	

System Parameters	Container 5MWh	PCS-MV-S 2.5MW	PCS-MV-S 5MW
IP Rating	IP54	IP54 (PCS IP66)	
Corrosion Rating		C4-M	
Operating Temperature	-20°C ~ 45°C	-40~+60°C (derating above 45°C)	
Relative Humidity		0% ~ 95% (non-condensing)	
Dimensions (W x D x H)	6058*2438*2896mm	6058*2438*2896mm	12192*2438*2896mm
Weight	≈ 43t	≈ 14t	≈ 24t
Communication Ports	Modbus TCP/IEC61850/ Modbus RTU	Modbus TCP / IEC 61850 / IEC 104 / Modbus RTU / CAN 2.0	
Inverter/PCS Communication	Ethernet/CAN/RS485		

Certifications

Battery	UN 38.3, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 62619, GB/T 34131, GBT 36276, UL 9540A
Inverter	PCS: GB/T 34120-2023, IEC 62477-1, IEC 61000-3/-6, EN 50549-1/-2/-10, IEC60068-2, G99, VDE 4110/4120, NTS 2.1, IEC TS 62910, IEC 62117, IEC 61000-6-2/4, IEC 62271-200, MV Transformer: IEC 60076

* Due to continuous product improvements specifications are subject to change without prior notice