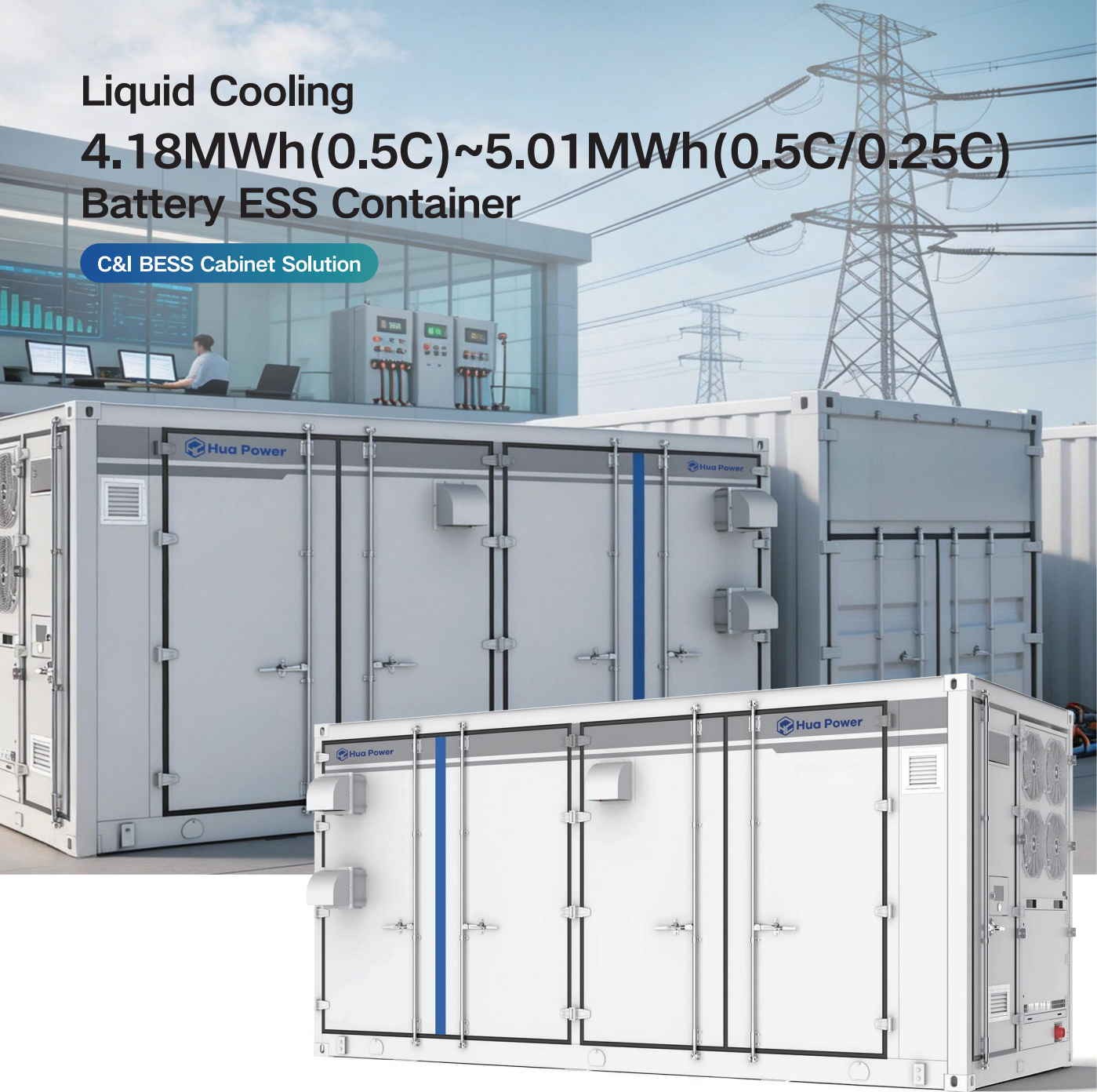


Liquid Cooling 4.18MWh(0.5C)~5.01MWh(0.5C/0.25C) Battery ESS Container

C&I BESS Cabinet Solution



Multi-MWh Container Solutions

4.18MWh (0.5C) to 5.01MWh (0.5C/0.25C) in standard 20ft containers, high energy density for utility-scale projects



Dual Certification Portfolio

IEC-certified (62619/63056/62933) for global markets; UL-certified (1973/9540A/9540) with NFPA 855 compliance for North America



Advanced Liquid Cooling

Intelligent liquid cooling with $\leq 5^{\circ}\text{C}$ pack temperature deviation, 0.5C standard and 0.25C optional charge/discharge rates



Comprehensive Fire Safety

Dry pipe sprinkler + aerosol dual suppression system, early smoke detection, explosion-proof venting and relief design



Smart Remote O&M

HMI local monitoring with Ethernet/WiFi connectivity, real-time performance analytics, remote diagnostics and firmware OTA updates

Model	HC-UPSB4180L	HC-UPSB5010L
Battery		
Cell Type	LiFePO4	LiFePO4
Battery Cell	3.2V/314Ah	3.2V/314Ah
Battery Pack Configuration	1P104S	1P104S
Battery Pack Quantity	4 Packs/Cluster	4 Packs/Cluster
Battery Cluster Quantity	10 Clusters	12 Clusters
Rated Current	157A*10	157A*12
Voltage Range	1165~1500V	1123.2~1497.6V
Rated Capacity	4179.96kWh	5015.96kWh
System		
Weight	$\leq 37\text{T}$	$\leq 44\text{T}$
Dimensions (W/D/H)	6058*2438*2896mm	
RTE	$\geq 87\%$	
Temperature	$-30\sim 45^{\circ}\text{C}$	$-30\sim 50^{\circ}\text{C}$
Humidity	$\leq 100\%\text{RH}$ (Non-Condensation)	
IP Rating	IP55	IP54
Anti-corrosion Rating	C4	
Cooling Method	Liquid Cooling	
Noise	$\leq 70\text{dB}$	$\leq 75\text{dB}$
Altitude	$\leq 2000\text{m}$	$\leq 4000\text{m}$
Display	HMI	
Fire Suppression Agent	Dry pipes with sprinklers, Aerosol (Optional)	
Communication	CAN / RS485 / WiFi / Ethernet	
Certification	IEC 62619, IEC 63056, IEC 62933 etc.	UL1973, UL9540A, UL9540, UN 38.3, compliant to NFPA 855, NEC 2023, NFPA 70E, etc.
Charge/Discharge Rate	0.5CP	0.5CP/0.25CP
Depth Of Discharge	90%	
Cell Cycle Life	≥ 8000 Cycles (80%SOH @Standard)	

System Diagram

