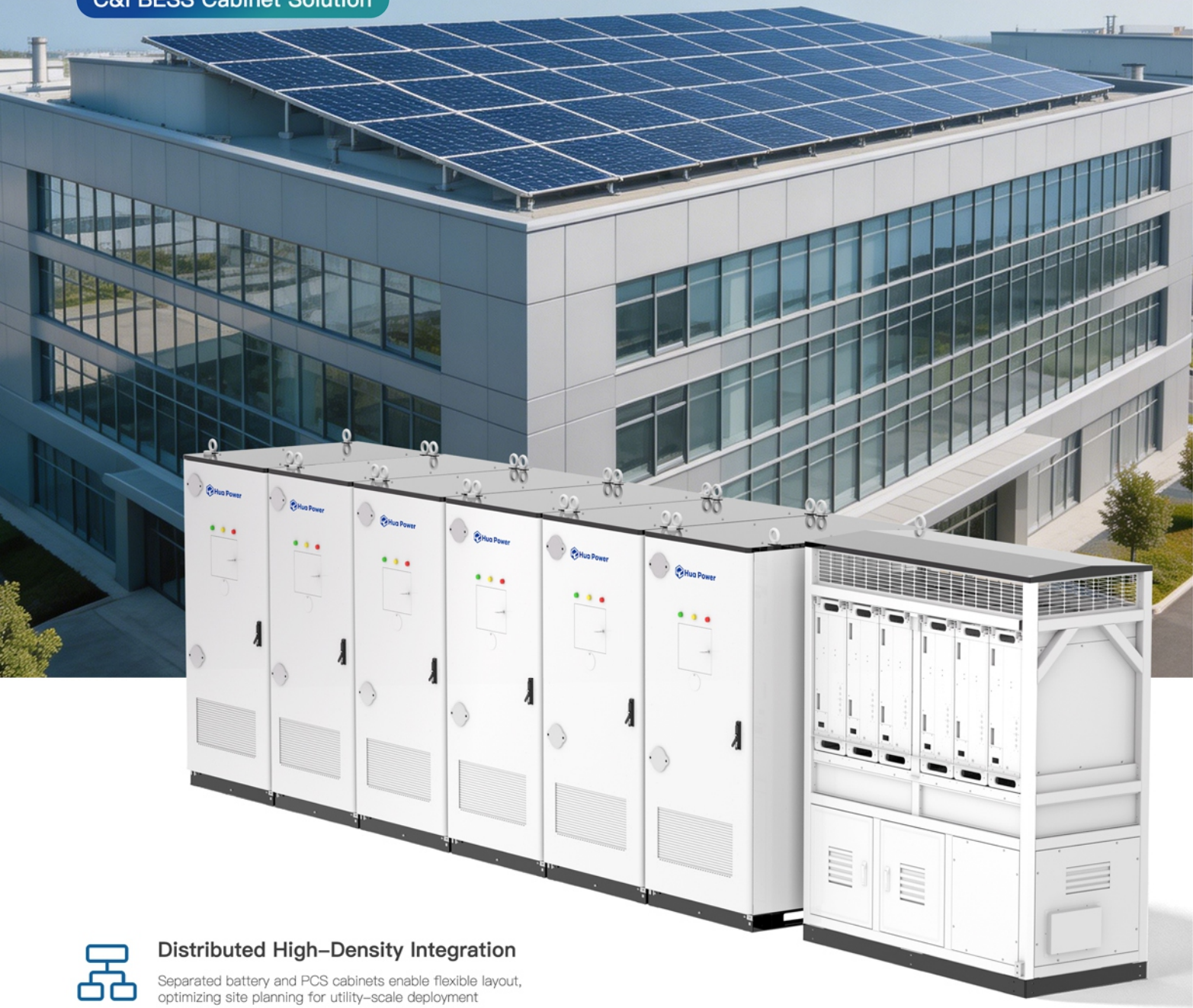


Air Cooling

1MW/2MWh–2.5MW/5MWh(800V)

Distributed Cabinet/Container BESS

C&I BESS Cabinet Solution



Distributed High-Density Integration

Separated battery and PCS cabinets enable flexible layout, optimizing site planning for utility-scale deployment



Industrial-Grade Protection

IP55 ingress protection, C4 anti-corrosion as standard; built for industrial environments



Intelligent Hybrid Cooling

Battery liquid cooling + PCS air cooling, full power at 50°C ambient without derating



800V Megawatt-Class Platform

Advanced 800V DC architecture; 1.26MW–2.52MW output paired with 2.5MWh–5MWh battery, cutting system-level cable losses



Smart EMS Communication

Native Modbus TCP/IP over Ethernet enables seamless EMS/SCADA integration; centralized energy management and remote O&M

Model	HC-UPSA2508L04 1.26MW/2.508MWh	HC-UPSA3344L04 1.68MW/3.344MWh	HC-UPSA5015L04 2.52MW/5.015MWh
AC Side			
Rated Output Power	1260kW	1680kW	2520kW
Max. Output Power	1376kW	1848kW	2772kW
Rated Output Current	912A	1216A	1824A
Max. Output Current	1003.2A	1337.6A	2006.4A
Rated Voltage	800V		
Voltage Range	-15%~10%		
Connection Type	3P		
Rated Frequency	50/60Hz		
Power Factor	0.99 (Leading)~0.99 (Lagging)		
THDi	<3% (Rated Power)		
THDu (Off-grid)	<3% (No-load/Balanced Resistive Load)		
Overload	1.1 times (Long-term)/1.2 times (10min)		
Max. Efficiency	≥99%		
Battery			
Cell Type	LiFePO4		
Battery Cell	3.2V/314Ah		
Pack Configuration	52S1P (52.249kWh)		1P104S (104.498kWh)
System Configuration	2.508MWh	3.344MWh	5.015MWh
Rated Voltage	1331.2V		
Voltage Range	1164.8V~1456V		
Rated Charge/Discharge C-rate	0.5C		
Cell Cycle Life	≥8000 Cycles (80%SOH@Standard Cycle)		
System			
RTE	≥85%		
Cooling	Battery: Liquid PCS: Air Cooling		
IP Rating	IP55		
Operating Temperature	-20~50℃		
Anti-corrosion Rating	C4 (Default)		
Altitude	2000m		
Operating Humidity	5~95%RH (Non-condensing)		
Fire Suppression Agent	Aerosol / FK-5-1-12		
Conmmunication	Ethernet (Modbus TCP/IP)		
Dimensions (W*D*H)	Battery Cabinet: 980*1350*2335mm PCS Cabinet: 1900*850*2250mm		Battery Container: 6058*2438*2896mm PCS Cabinet: 1900*850*2250mm
Weight	27.6t	36.8t	55.2t

System Diagram

