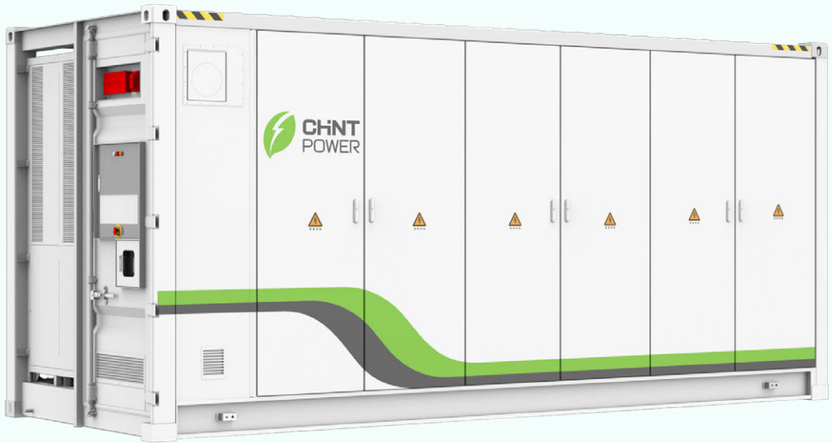
CPS ES-5015kWh

Battery Energy Storage System



Model Name	CPS ES-5015kWh
Battery Parameter	
Battery Capacity	5015.96kWh
Battery Cell	314Ah
Pack Configuration	1P52S
Battery Configuration	12 x 1P416S
Rate Voltage	1331.2V
Operating Voltage Range	1164~1497V
Maximum Power	2508kW
System Parameter	
Protection Degree	IP55
Cooling Method	Liquid Cooling
Operation Temperature	-25℃ to +55℃ (derating from +45℃)
Operating Humidity	0-95%, non-condensing
Operating Altitude	≤ 2000m
Dimensions (WxHxD)	6058 x 2896 x 2438mm
Weight	41.8T
Communication	RS485/Ethernet / CAN
Protocol	Modbus RTU / Modbus TCP / CAN
Auxiliary Power Input	3P+N 400Vac / 50kVA
Safety	
Compliance	IEC 62619 / IEC 63056 / IEC 62477 / IEC 61000 / IEC 60730 / UL1973 / UL9540A / UL 9540 / FCC / IEC 62620 / NFPA 68 / NFPA 69 / IEC 62933-5-2

* Product specifications and dimensions may be updated based on the latest information provided and are subject to change without prior notice.

Key Features

- Fully integrated system with minimum on-site installation and commission efforts
- High energy density: 5 MWh in one 20ft container Multiple-point electrical linkage measures
- Easy to expand with CPS's modular and string design
- Integrated fast-acting fault protection
- Comprehensive fire prevention design to ensure system safety
- Smart cooling control to improve battery performance and lifecycle