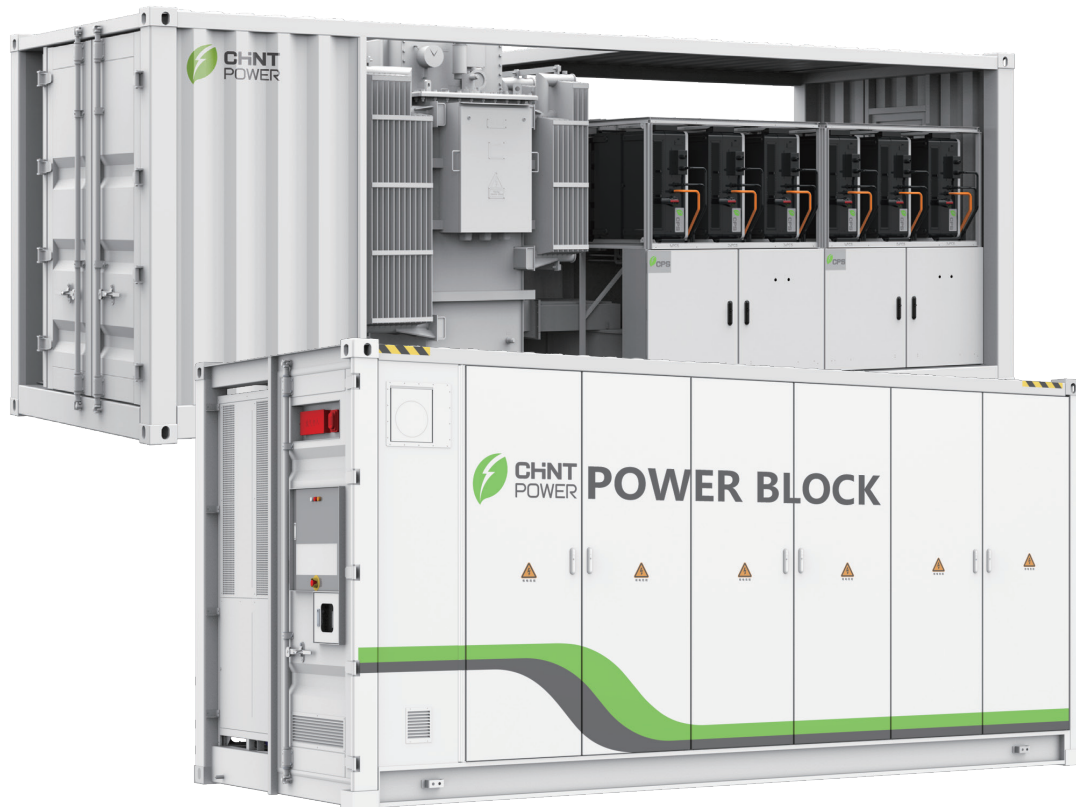


## 2.4MW/5&10MWh Battery Energy Storage System for Europe



### Key Features

- Fully integrated system with minimum on-site installation and commissioning efforts
- High energy density: 5MWh in one 20ft container, 2.4MW PCS skid in one 20ft container
- Modular design, reducing O&M costs, easy to expand
- Outdoor design, IP54 rated for application in different environments
- New and old battery racks can be integrated
- Comprehensive fire prevention design to ensure system safety
- Smart cooling control to improve battery performance and lifecycle
- Rack-level control and management for ESS, improved availability and efficiency

Model Name	CPS ES-2.4MW/5MWh	CPS ES-2.4MW/10MWh
Model Name (PCS Skid, Battery Container)	PCS Skid: CPS PSW2.4M Battery Container: CPS ES-5015KWH	
<b>Battery Specifications</b>		
Battery Capacity	5MWh	2x5MWh
Battery Cell	LFP 314Ah	
Pack Configuration	1P52S	
Battery Configuration	1x12P416S	2x12P416S
Rate Voltage	1331.2V	
Operating Voltage Range	1164-1497V	
<b>Electrical Specifications</b>		
Rated AC Output Power	2.4MW	
Medium Voltage Rating	11/15/20/22/30/33kV	
Rated Grid Frequency	50Hz	
Vector Group	Dy1 , Dy11	
Cooling Class	KNAN	
Insulating Fluid	Biodegradable Oil, FR3 Type or Equivalent	
<b>Environment Specifications</b>		
Protection Degree	PCS Skid: IP54 ; Battery Container: IP54	
Cooling	PCS: Air Cooling, Batteries :Liquid Cooling	
Operating Temperature Range	-20°C to 50°C / -4°F to 122°F	
Operating Altitude	≤6562ft/2000m	
Operating Humidity	0-95%, non-condensing	
<b>Display and Communication</b>		
Communication	RS485 / Ethernet / CAN	
Modbus Data Mapping	CPS	
<b>Mechanical</b>		
PCS Weight	19T	20T
Battery Container Weight	43T	2x43T
Dimensions (WxHxD)	PCS Skid:7058×2591×2438mm Battery Container: 6058x6058x2896x2438mm	
<b>Safety</b>		
Compliance	IEC61000, IEC62477, IEC62619, IEC63056, EN50549,CE,EMC	