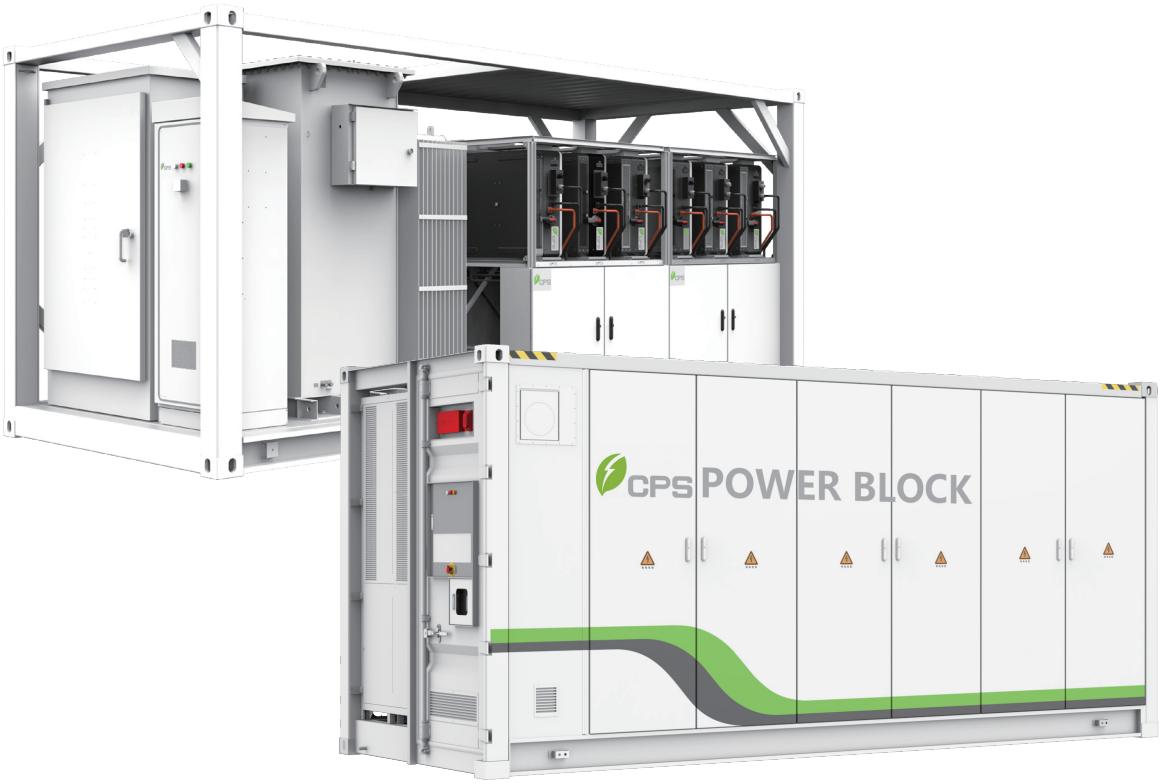
2.4MW/5&10MWh
Battery Energy Storage System for North America



Key Features

- Fully integrated system with minimum on-site instllation and commission 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, NEMA 3R 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

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Model Name	CPS ES-2.4MW/5MWh	CPS ES-2.4MW/10MWh
Model Name (PCS Skid, Battery Container)	PCS Skid: CPS PSW2.4M-US Battery Container: CPS ES-5015KWH-US-M	
Battery Specifications		
Battery Capacity	5MWh	2x5MWh
Battery Cell	LFP 314Ah	
Pack Configuration	1P52S	
Battery Configuration	1x12P416S	2x12P416S
Rate Voltage	1331.2V	
Operating Voltage Range	1164-1497V	
Electrical Specifications		
Rated AC Output Power	2.4MW	
Medium Voltage Rating	12.47/13.2/13.8/14.4/22.9/24.0/24.9/34.5kV	
Rated Grid Frequency	60Hz	
Vector Group	Dy1 , Dy11	
Cooling Class	KNAN	
Insulating Fluid	Biodegradable Oil, FR3 Type or Equivalent	
Environment Specifications		
Protection Degree	PCS Skid: NEMA 3R/IP54 ; Battery Container: NEMA 3R/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	
Display and Communication		
Communication	RS485 / Ethernet / CAN	
Modbus Data Mapping	CPS	
Mechanical		
PCS Weight	28439.63lbs/12.9T	28880.56lbs/13.1T
Battery Container Weight	94798.8lbs/43T	189597.6lbs/2x43T
Dimensions (WxHxD)	PCS Skid:238.5x102.0x96in/6058×2591×2438mm Battery Container: 238.5x114.0x96.0in/6058x2896x2438mm	
Safety		
Compliance	UL1741, CSA-22.2 NO.107.1-16, IEEE1547-2018, FCC Part 15, UL1973, UL9540A, UL9540	