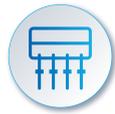


# CPS ES-2.4MW/5MWh

Chint power liquid cooling energy storage system



## High-Integration

- ◆ Fully integrated system with minimum on-site installation and commission efforts
- ◆ High energy density: 5MWh in one 20ft container, 2.4MW PCS skid in one 20ft container



## High safety

- ◆ Comprehensive fire prevention design to ensure system safety
- ◆ Multiple electrical linkage measures, quick fault protection



## High efficiency

- ◆ Rack-level control and management for ESS, improved availability and efficiency
- ◆ Smart cooling control to improve battery performance and lifecycle
- ◆ New and old battery racks can be integrated



## Friendly

- ◆ Modular design, reducing O&M costs, easy to expand
- ◆ Outdoor design, IP54 rated for application in different environments

Model	CPS ES-2.4MW/5MWh
Model Name (PCS Skid, Battery Container)	PCS Skid: CPS PSW2.4M Battery Container: CPS ES-5015KWH
<b>Battery Specifications</b>	
Battery Capacity	5MWh
Battery Cell	LFP 314Ah
Pack Configuration	1P52S
Battery Configuration	1x12P416S
Rate Voltage	1331.2V
Operating Voltage Range	1164V-1497V
<b>Electrical Specifications</b>	
Rate AC Output Power	2.4MW
Medium Voltage Rating	12kV-34.5kV
Rated Grid Frequency	50/60Hz
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
Operating Altitude	≤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	≤13.1T
Battery Container Weight	≤43T
Dimensions (WxHxD)	PCS Skid:6058×2591×2438mm ; Battery Container: 6058x2896x2438mm
<b>Safety</b>	
Compliance	UL1741, CSA-22.2 NO.107.1-16, IEEE1547-2018, FCC Part 15, UL1973, UL9540A, UL9540, IEC61000, IEC62477, IEC62619, IEC63056