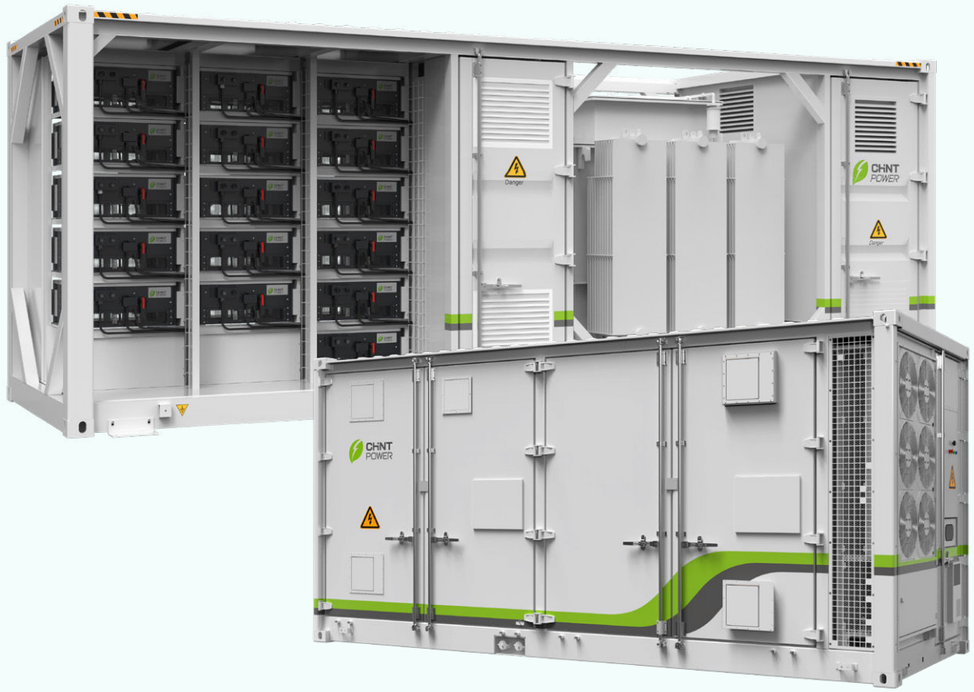
CPS ES-3.125MW/6.25/12.5MWh NEW

Utility Energy Storage System



Key Features

- Fully integrated system with minimum on-site installation and commission efforts
- Modular design, reducing O&M costs, easy to expand
- Outdoor design, high protection degree for application in different environments
- 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-3.125MW/6.25MWh	CPS ES-3.125MW/12.5MWh
DC Parameter		
Battery Capacity	6.25MWh	2x6.25MWh
Rated Voltage	1331.2Vdc	
Battery Voltage Range	1164.8~1497.6Vdc	
Battery Configuration	1x8P416S	2x8P416S
AC Parameter		
Rated AC Output Power	3.125MW	
Medium Voltage Rating	10~35kV	
Grid Frequency	50Hz	
Vector Group	Dy1, Dy11	
Cooling Method	ONAN	
System Parameter		
Protection Degree	Battery Container: IP55 PCS Skid: IP54	
Cooling Method	PCS: Air Cooling Batteries :Liquid Cooling	
Operation Temperature*	-25℃ ~ 55℃ (> 45℃ derating)	
Operating Humidity	0-95%, non-condensing	
Operating Altitude*	3000m (>2000m derating)	
Dimensions (WxHxD)	Battery Container: 6058x2896x2438mm PCS Skid: 7666x2896x2438mm	
PCS Weight	18T	18T
Battery Container Weight	48.3T	2 x 48.3T
Display and Communication		
Communication	Ethernet/CAN/RS485	
Safety		
Compliance	Battery: IEC 62619 / IEC 63056 / IEC 62477 / IEC 61000 / IEC 60730 / UL1973 / UL9540A / FCC / IEC 62620 / UL 9540 / NFPA 68 / NFPA 69 / IEC 62933-5-2 PCS: IEC 62920 / IEC 62477 / IEC 61000 / IEC 62109 / IEC 60068 / EN 50549 / UNE 217001&217002 / NTS 2.1 / AS/NZS 4777.2 / VDE 4110&4120&4130 / TOR TYPE A&B / TR3.3.1 / UL 1741 / IEEE 1547	

* Product specifications and dimensions may be updated based on the latest information provided and are subject to change without prior notice.
* Battery Container capacity shall be determined by the selected battery model.
* Please consult the corresponding manufacturer for parameters related to temperature and altitude.
* Final data is subject to change without prior notice.