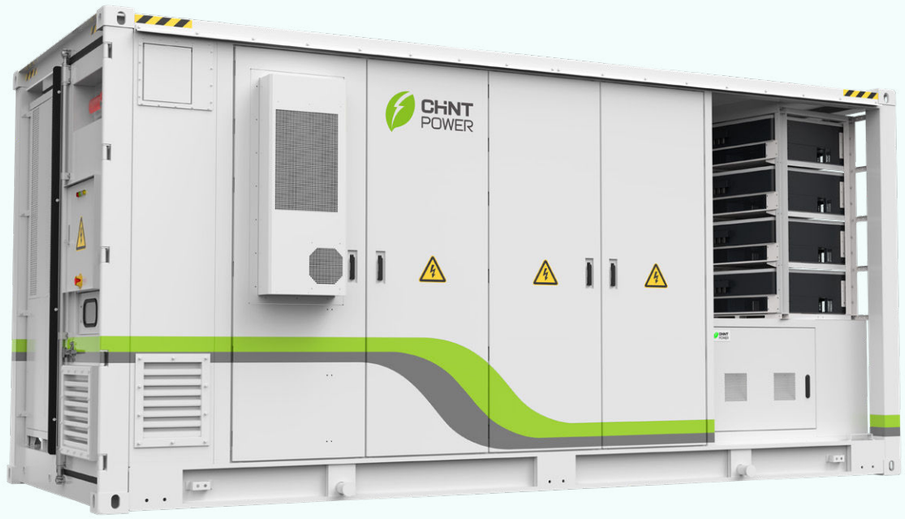
CPS ES-1.6MW/3.34MWh

All In One Liquid Cooling Energy Storage System



Model Name	CPS ES-0.8MW/3.34MWh	CPS ES-1.2MW/2.5MWh	CPS ES-1.6MW/3.34MWh
DC Parameter			
Rated Voltage	1331.2Vdc		
Battery Voltage Range	1164.8~1497.6Vdc		
Nominal Battery Energy	3344kWh	2508kWh	3344kWh
AC Parameter			
Rated AC Output Power	800kW	1200kW	1600kW
Rated AC Output Voltage	800V		
Output Voltage Range	704V~880V		
Grid Frequency	50Hz		
Grid Frequency Range	45~55Hz		
System Parameter			
Protection Degree	IP54		
Cooling Method	PCS: Air Cooling, Batteries: Liquid Cooling		
Operation Temperature	-25℃ to +55℃ (derating from +45℃)		
Operating Humidity	0-95%, non-condensing		
Operating Altitude	3000m (>2000m derating)		
Dimensions (WxHxD)	6058 x 2896 x 2438mm		
Weight(T)	32T	25T	33T
Display and Communication			
Communication	Ethernet/CAN/RS485		
Safety			
Compliance	Battery: IEC 62619 / IEC 63056 / IEC 62477 / IEC 61000 / IEC 60730 / UL1973 / UL9540A / UL 9540 / FCC / IEC 62620 / CEI 0-16 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.

Key Features

- All in one design, without on-site installation and commissioning
- 6 battery racks, modular PCS etc. are integrated in a 20ft container
- Rack-level management allows the racks to run independently, eliminating the mismatch between parallel racks
- Old and new batteries can be mixed
- Modular design, minimizing the impact of faults and O&M cost, easy to expand
- Intelligent liquid-cooling system, ensures longer battery cycle life