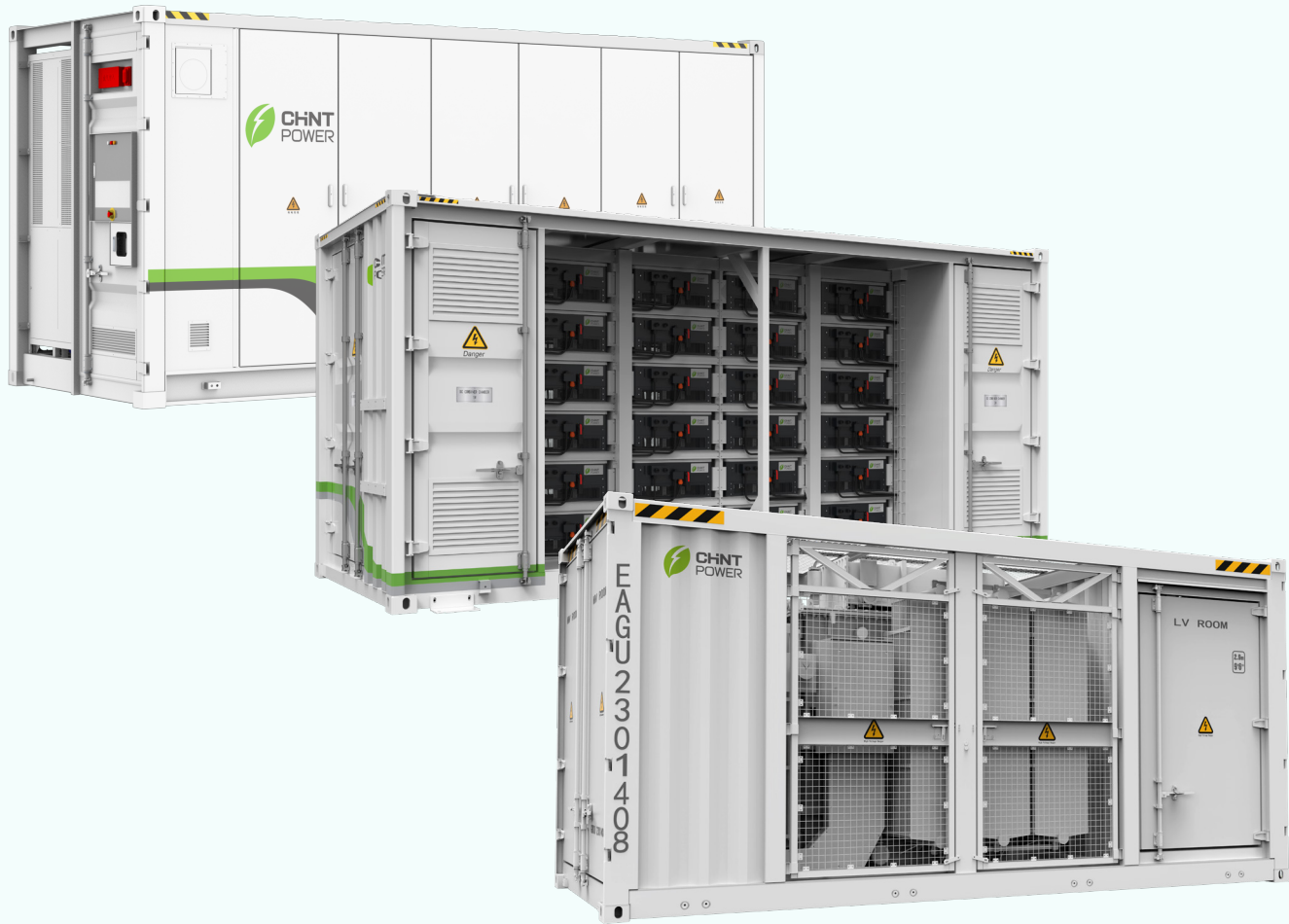


CPS ES-4.8MW/10MWh

Utility Energy Storage System



Key Features

- Pre-assembled system design with standard container transportation for the entire unit
- Battery, PCS, and transformer compartmentalized design for isolating faults and flexible combination
- Equipment supply with in-factory pre-assembly and testing for quick grid connection on-site
- Maximum 4.8MW system matrix to reduce equipment quantity and lower system costs
- One cluster, one management design to eliminate inter-cluster circulating currents, ensuring high system availability
- Custom design for ease of maintenance and expansion
- High protection design for the system, ensuring adaptability to various environmental conditions

Model Name		CPS ES-9.6MW/20MWh
Model Name (Battery Container, PCS Skid, PMVS)		Battery Container: CPS ES-5015KWH PCS Skid: CPS PSW4.8M-EU PMVS: CPS PSA9.6MO
Battery Parameter		
Battery Capacity		2x5MWh
Battery Cell		LFP 314Ah
Pack Configuration		1P52S
Battery Configuration		4x12P416S
Rate Voltage		1331.2V
Operating Voltage Range		1164~1497V
PCS Parameter		
Rated AC Output Power @ PF>0.99		24 x 200kW
Operating DC input Voltage Range		950~1500V
Output Voltage		800Vac (704~880Vac)
Grid Connection Type		3-Phase/PE
Max. AC Output Current @ 800Vac		24 x 145A / 2 x 1735A
Grid Frequency		50Hz
Grid Frequency Range		45~55Hz
DC/AC Surge Protection		Type II
PMVS Parameter		
Rated Input Voltage		800V
Rated AC Output Power		4.8MW
Medium Voltage Rating		10~35kV
Grid Frequency		50Hz
Grid Frequency Range		45~55Hz
Vector Group		Dy11-y11
Cooling Method		ONAN
Surge Protection		Type II
System Parameter		
Protection Degree		PCS Skid: IP54; Battery Container: IP55; PMVS: IP54
Cooling Method		PCS Skid: Variable speed cooling fans, Batteries :Liquid Cooling; PMVS:ONAN
Operating Temperature Range		-25°C to +55°C (derating from +45°C)
Operating Altitude		3000m (>2000m derating)
Operating Humidity		0-95%, non-condensing
PCS Skid Weight		11T
Battery Container Weight		2x41.8T
PMVS Weight		<30T
Dimensions (WxHxD)		6058 x 2896 x 2438mm
Display and Communication		
Communication		RS485 / Ethernet / CAN
Communication protocol		Modbus-TCP / RTU
Safety		
Certifications and Standards		Battery : IEC 62619 / IEC 63056 / IEC 62477 / IEC 61000 / IEC 60730 / UL1973 / UL9540A / UL 9540 / FCC / IEC 62620 / 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 PMVS: IEC 62271-202 / IEC60076-1 / IEC 62271-200 / IEC 61439-2

* Product specifications and dimensions may be updated based on the latest information provided and are subject to change without prior notice.