

CPS ES-62.5~375kW/268~1608kWh Energy Storage for North America



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Commercial Energy Storage System

Chint Power Systems (CPS) commercial energy storage system (ESS) introduces its next generation turn-key solution. This system begins with a building block of 62.5kW/268kWh and can be easily expanded. Modular design and one PCS only need to manage an individual battery rack to reduce parallel mismatch. CPS power conversion technology, partnered with EMS software, all in a UL9540 certified (pending) product.

The 62.5~375kW/268~1608kWh package is ideally suited for commercial energy storage applications including:

- Solar + Storage
- Zero Export Control
- Demand Charge Management
- Back-up Power
- Demand Management
- Micro-grid Applications

Key Features

- Robust 10 Year Warranty with CPS
- Assembled in the USA
- Project Cash Flow Analysis
- Active Control & Management
- Pre-integrated & Tested
- Partnered EMS Solutions from Pason Power and ELM Fieldsight
- High efficiency (98% max) PCS
- Outdoor Rated
- Complete Climate Control
- 1/2 Day Installation
- Commissioning & Startup Services
- 2 and 4hr Duration Solutions



Model Name	CPS ES-62.5~375kW/268~1608kWh
Model Name (PCS Cabinet, Battery Cabinet)	PCS cabinet: CPS ES-62.5~375kW Battery cabinet: CPS ES-268kWh
Battery Specifications	
Battery Capacity	nx268kWh (n=1,2,3,4,6)
Rated Voltage	960V
Max Charge/Discharge	0.5C
Operating Voltage Range	840-1080V
Overcurrent Protection	Yes
Battery Chemistry	LFP
Electrical Specifications	
Rated AC Output Power	nx62.5kVA (n=1,2,4,6)
Maximum AC Output Power	nx62.5kVA (n=1,2,4,6)
Rated Grid Voltage	480Vac
Grid Voltage Range	422-528Vac
Rated Grid Frequency	60Hz
Grid Frequency Range	57-63Hz
Continuous AC Power - Charge	nx62.5kVA (n=1,2,4,6)
Continuous AC Power - Discharge	nx62.5kVA (n=1,2,4,6)
Maximum Continuous AC Current	nx75A (n=1,2,4,6)
Grid Connection Type	3 Phase/PE/N (Neutral optional)
Total Harmonic Distortion	<3%
Power Factor	>0.99 (± 0.8 adjustable)
Maximum Efficiency	98.0%
CEC Efficiency	97.0%
AC Connection	3 Phase, 3 Wire
Environment & Certifications	
Enclosure	PCS cabinet: NEMA 3R Battery cabinet: NEMA 4
Inverter	UL 1741 SA
Batteries	UL 1973/UL 9540A
System	UL 9540
Equipment Specifications	
Dimensions (WxHxD)	PCS cabinet: 58.7x89.8x53.5in/1490x2280x1360mm Battery cabinet: 52x89.8x58.3in/1320x2280x1482mm
Weight	PCS cabinet: 2204.6-3306.9lbs/1-1.5T Battery cabinet: 5952.5lbs/2.7T
Lifting Provisions	Fork Lift Slots and lifting rings
Corrosion Resistance	600 Salt Hour Spray
Handles	Stainless Steel Lockable
Fire Suppression	3M Novec 1230 (depending on local requirement)
Operating Temperature Range	-20°C to 40°C / -4°F to 104°F
Storage Temperature Range	-30°C to 70°C / -22°F to 158°F
Operating Altitude	9842.5ft/3000m (derating from 6561.7ft/2000m)
Operating Humidity	0-95%, non-condensing
Standard Warranty	10 year
Operation Parameters	
Demand Charge Management	√
Self-Consumption	√
Load Shifting	√
Back-Up Mode (micro grid)	√
Key System Components	
Bi directional storage inverter	√
High voltage Li-Ion battery	√
DC Disconnect (load rated)	√
AC disconnect (load rated)	√
Climate Control System	√
Integrated EMS	√