

# 3.4MWh Battery Energy Storage System for North America



## CPS ES-3404KWH-US 3.4 MWh Battery

CPS is excited to launch the new 3.4MWh Battery Energy Storage System for the North American market. The battery system is a containerized solution that integrates 10 racks of LFP batteries and offers a high energy density for utility applications. It is equipped with an smart air cooling system that provides effective and efficient thermal management for the battery cells. The battery system is packed into a 20ft container to enable easy transportation, installation, and O&M.

### Key Features

- Fully integrated system with minimum on-site installation and commission efforts
- High energy density: 3.4MWh in one 20ft container
- Multiple-point electrical linkage measures
- Easy to expand with CPS's modular and string design
- Integrated fast-acting fault protection
- Comprehensive fire prevention design to ensure system safety
- Smart cooling control to improve battery performance and lifecycle

<b>Model Name</b>	<b>CPS ES-3404KWH-US</b>
<b>Battery Specifications</b>	
Battery Cell	LFP 280Ah
Pack Configuration	1P20S
Battery Configuration	10P380S
Battery Capacity	3404.8kWh
Rated Voltage	1216V
Operating Voltage Range	1064-1368V
Maximum Power	1702.4kW
<b>General Specifications</b>	
Protection Degree	IP54
Cooling Method	Air Cooling
Fire Suppression	Integrated
Operating Temperature Range	-20°C to 50°C / -4°F to 122°F
Operating Altitude	≤6561.7ft/2000m
Operating Humidity	0-95%, Non-Condensing
Dimensions (WxHxD)	238.5x114.0x96.0in/6058x2896x2438mm
Weight	73854.9lbs/33.5T
Communication interfaces	RS485/Ethernet/CAN
Communication protocols	Modbus RTU/Modbus TCP/CAN
Auxiliary Power Input	3P+N 400Vac/30kVA
Compliance	UL1973/UL9540A/UL9540