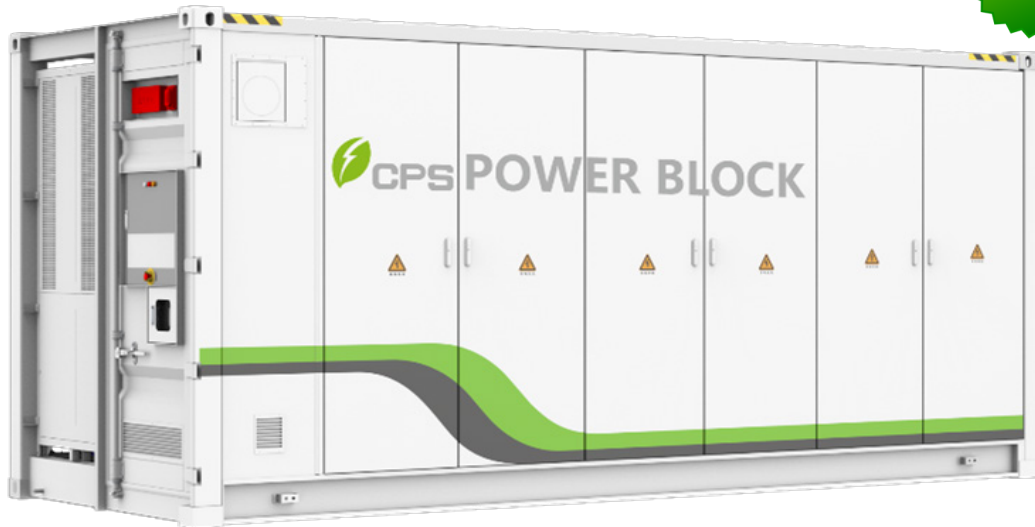


# 5 MWh Battery Energy Storage System for North America



**CPS ES-5016KWH-US 5 MWh Battery**

CPS is excited to launch the new 5 MWh Battery Energy Storage System for the North American market. The battery system is a containerized solution that integrates 12 racks of LFP batteries and offers a high energy density for utility applications. It is equipped with an advanced liquid cooling system that provides effective and efficient pack-level thermal management. 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: 5 MWh 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-5016KWH-US</b>
<b>Battery Specifications</b>	
Battery Cell	LFP 314Ah
Pack Configuration	1P52S
Battery Configuration	12P416S
Battery Capacity	5016kWh
Rated Voltage	1331.2V
Operating Voltage Range	1164.8-1497.6V
Maximum Power	2508kW
<b>General Specifications</b>	
Protection Degree	IP54
Cooling Method	Liquid Cooling
Fire Suppression	Integrated
Operating Temperature Range	-25°C to 50°C / -13°F to 122°F
Operating Altitude	≤6561.7ft/2000m
Operating Humidity	0-95%, Non-Condensing
Dimensions (WxHxD)	238.5x114.0x96.0in/6058x2896x2438mm
Weight	94798.8lbs/43T
Communication interfaces	RS485/Ethernet/CAN
Communication protocols	Modbus RTU/Modbus TCP/CAN
Auxiliary Power Input	3P+N 400Vac/50kVA
Compliance	UL1973/UL9540A/UL9540