340 kWh commercial energy storage

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The system uses lithium iron phosphate batteries with a voltage range of 1,165 to 1,498 VDC. It features a nominal AC voltage of 480 VAC 3Ph/3W and a nominal DC voltage between 761 and 1,200 VDC. Both the battery and the power conversion system (PCS) include self-contained liquid cooling for efficient temperature regulation.

"With built-in microgrid islanding capabilities, xStorage BESS helps minimize the impact of unplanned utility outages," the company said. "It also provides the digital capabilities needed to monetize energy systems through participation in grid-connected demand response programs and energy markets. Predictive, remote equipment health monitoring and system management are enabled through Eaton"s Bright layer software suite."

The system operates in ambient temperatures from -20 C to 50 C and handles humidity up to 95%. The control cabinet measures 135.9 cm in width, 148.6 cm in depth, 175 cm in height, and weighs 460 kg.

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