

## ContainerPower Energy Solutions

# Bulgarian Liquid Cooling Energy Storage Classification



## Overview

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What is a liquid cooling unit?

The product installs a liquid-cooling unit for thermal management of energy storage battery system. It effectively dissipates excess heat in high-temperature environments while in low temperatures, it preheats the equipment. Such measures ensure that the equipment within the cabin maintains its lifespan.

What is a 5MWh liquid-cooling energy storage system?

The 5MWh liquid-cooling energy storage system comprises cells, BMS, a 20'GP container, thermal management system, firefighting system, bus unit, power distribution unit, wiring harness, and more. And, the container offers a protective capability and serves as a transportable workspace for equipment operation.

What is a liquid cooling thermal management system?

The liquid cooling thermal management system for the energy storage cabin includes liquid cooling units, liquid cooling pipes, and coolant. The unit achieves cooling or heating of the coolant through thermal exchange. The coolant transports heat via thermal exchange with the cooling plates and the liquid cooling units.

What rated voltage should a liquid-cooling high voltage box have?

3.14.3.2 The liquid-cooling high voltage box should design rated voltage at DC1500V, rated current of 250A, and pollution level III. The electrical clearance should be no less than 16mm, with a creepage distance of no less than 23mm.

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