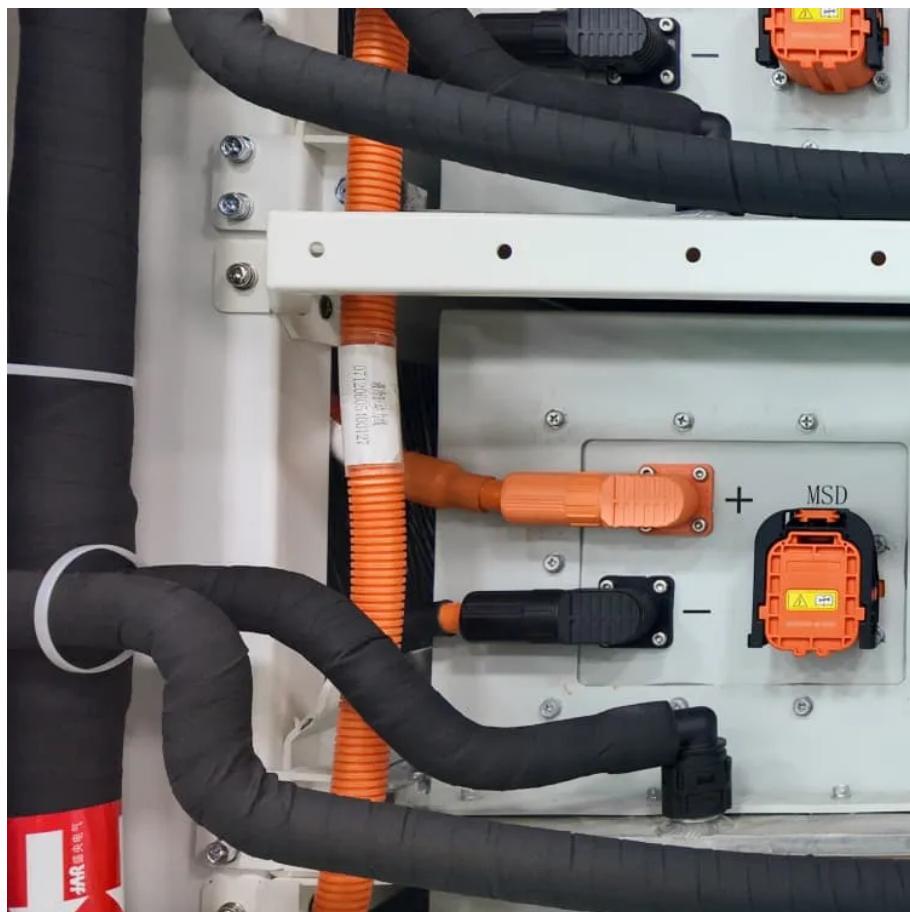




MODERNIZATION SOLAR

# Victoria Energy Storage Cabinet Battery Safety





## Overview

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What is the storage capacity of a neighborhood battery?

They typically have a storage capacity between 100 kWh and 5 megawatt hours (MWh). Neighbourhood batteries may pose serious safety risks – including electric shock, arc flash, fire or explosion. They must be appropriately designed, installed and maintained to reduce these risks.

Should a battery enclosure be rated?

Battery enclosures that are not suitably rated present health and safety risks to people in the vicinity of the enclosure. The enclosure should be rated to contain or vent an internal fault. Available fault current and arc flash incident energies need to be considered for an appropriately rated enclosure.

How should a battery system be maintained?

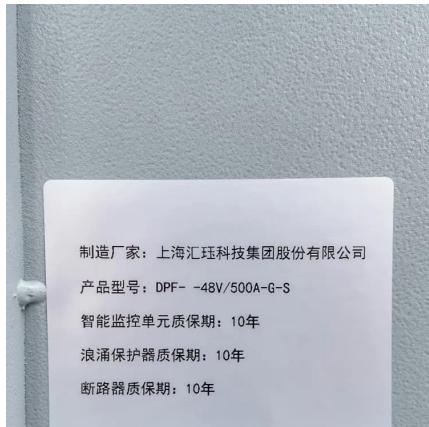
The battery system should have an appropriate monitoring system. The system should be maintained according to the manufacturer's recommendations and specifications. This ensures the battery system's safe, efficient and reliable operation. It also ensures early detection of failures. Qualified personnel should undertake maintenance.

What is safety in Design (SID) for neighbourhood battery design?

We expect a Safety in Design (SiD) process to be adopted for neighbourhood battery design. SiD provides a formally documented process demonstrating systematic risk management. It's critical in identifying and eliminating or controlling hazards and risks. decommissioning. Safe design ensures hazards are identified early in the design process.



## Victoria Energy Storage Cabinet Battery Safety

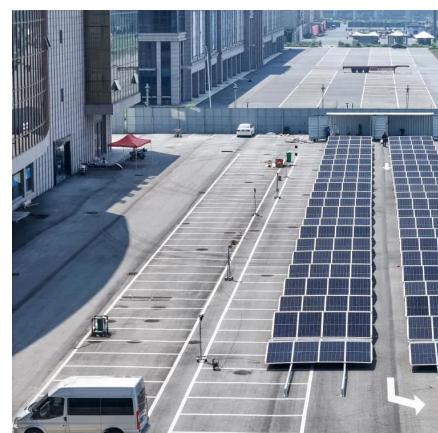


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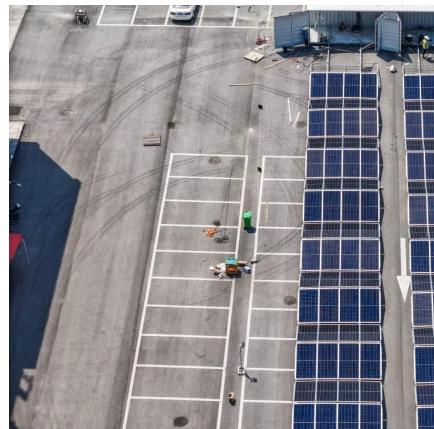
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