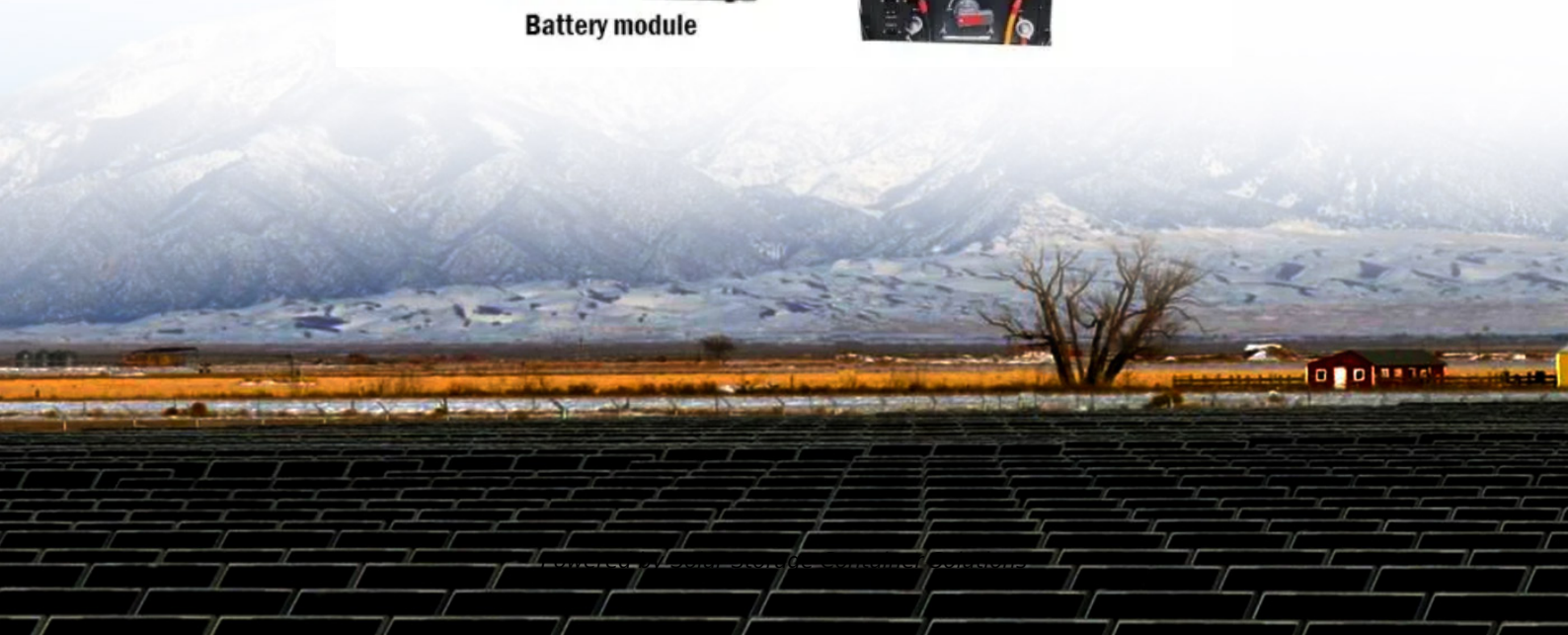


Solar Storage Container Solutions

Two degrees of electricity outdoor power supply is light



Overview

How close should a low-voltage light fixture be to a pool?

Low-voltage light fixtures (luminaires) must be no closer than 5 feet away from the outside walls of pools, spas, or hot tubs. Transformers for low-voltage lighting must be in accessible locations.

What are the rules for outdoor lighting?

The rules for outdoor lighting are principally about using fixtures that are rated for use in damp or wet locations: Light fixtures in wet/exposed areas must be listed for use in wet locations. Light fixtures in damp areas (protected by an overhanging eave or roof) must be listed for damp locations.

Should power and lighting cables be buried in ducting?

To avoid damage from rodents and accidental damage, cables for power and lighting should be either armoured and/or buried in a suitably robust ducting. Oversizing ducting will make cable pulling easier and allow for future-proofing, to the extent of laying extra cable that can extend a scheme later.

What is the National Electrical Code (NEC) for outdoor wiring?

The National Electrical Code (NEC) includes many specific requirements for installation of outdoor circuits and equipment. With outdoor wiring, the primary safety concerns involve shielding against moisture and corrosion, preventing physical damage, and managing issues related to underground burial.

How deep should low voltage wiring be buried?

Low-voltage wiring (carrying no more than 30 volts) must be buried at least 6 inches deep. Buried wiring runs that transition from underground to above ground must be protected in conduit from the required cover depth or 18 inches (whichever is less) to its termination point above ground, or at least 8 feet above grade.

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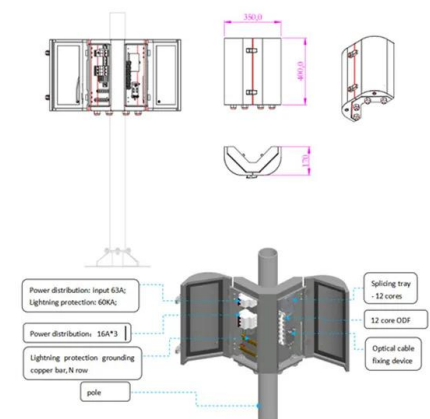


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