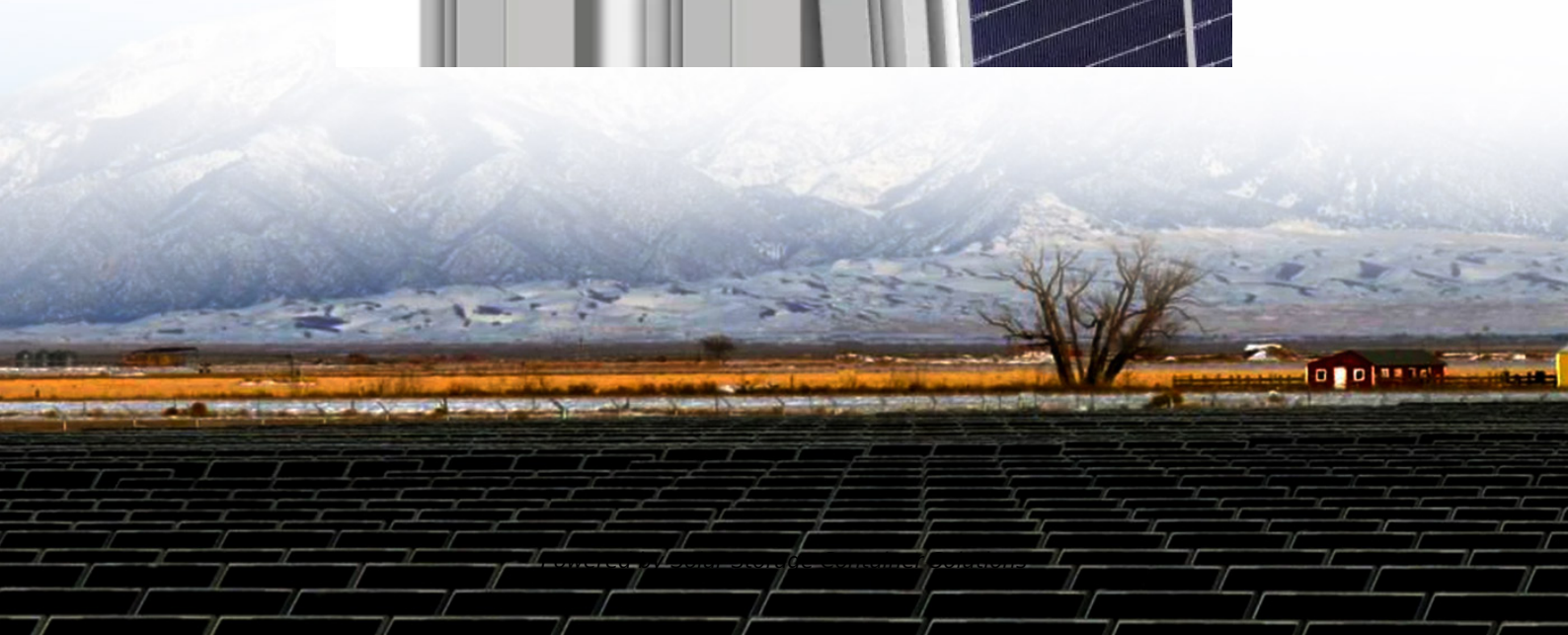
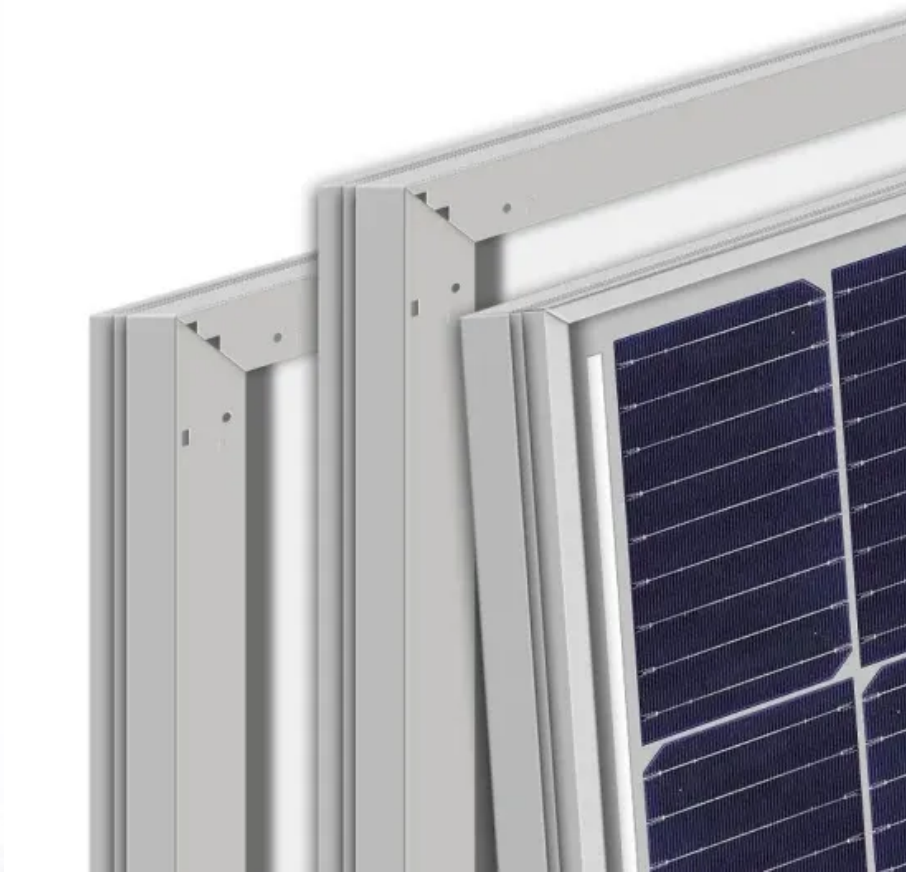


Solar Storage Container Solutions

Private network communication base station super capacitor



Overview

How silicon capacitors help save PCB area?

Silicon Capacitors technology can help saving up to 70% of PCB area. ULSC, BBSC, UBSC, XBSC and X2SC-series are optimally designed for DC blocking (AC coupling) applications on high-frequency signal lines. They offer low insertion loss, low reflection loss, and unique phase stability.

Why should you use Murata's silicon capacitors?

Murata's silicon capacitors are ideal for use in ultra-wideband optical communication devices, with their very low insertion loss and very small size which help reducing power and footprint. As you might already know, in the case of 400GbE and 800GbE, high modulation rates such as 56GBaud and 112GBaud per signal line are required.

Are Murata broadband silicon capacitors compatible with high frequency?

The Murata broadband silicon capacitors are compatible with a wide range of high frequencies, from 16 kHz up to 220 GHz. UBDC-series is directly designed in differential mode up to 60GHz. The high frequency characteristics are also affected by the design of the laminate substrate like PCB.

What is a silicon capacitor?

Murata's Silicon Capacitors technology offers the key features that are required to design applications from 56 to 112 GBaud rates, and is even ready to serve 224 GBaud advanced systems. Silicon Capacitors removes the need for routing to make interconnection lines and differential silicon capacitors are ideal for differential transmission modes.

What are ulsc UBSC xbsc and x2sc capacitors?

ULSC, BBSC, UBSC, XBSC and X2SC-series are optimally designed for DC blocking (AC coupling) applications on high-frequency signal lines. They offer low insertion loss, low reflection loss, and unique phase stability. The Murata

broadband silicon capacitors are compatible with a wide range of high frequencies, from 16 kHz up to 220 GHz.

What is Emtel supercapacitor energy storage?

Emtel's super-capacitor Energy Storage system significantly reduces DG (Diesel Generator) run time UPTO 80%, enhancing operational efficiency and reducing the CO2 footprint. With the ability to endure hundreds of thousands of charge-discharge cycles electrostatically supercapacitors boast an extended lifespan compared to traditional batteries.

Private network communication base station super capacitor

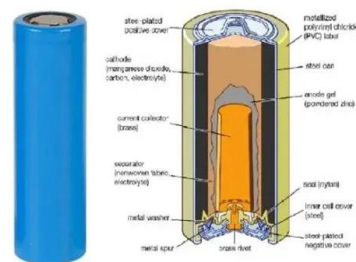


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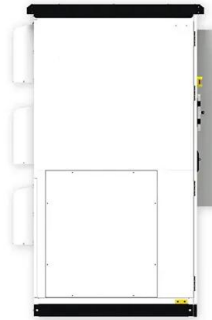


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