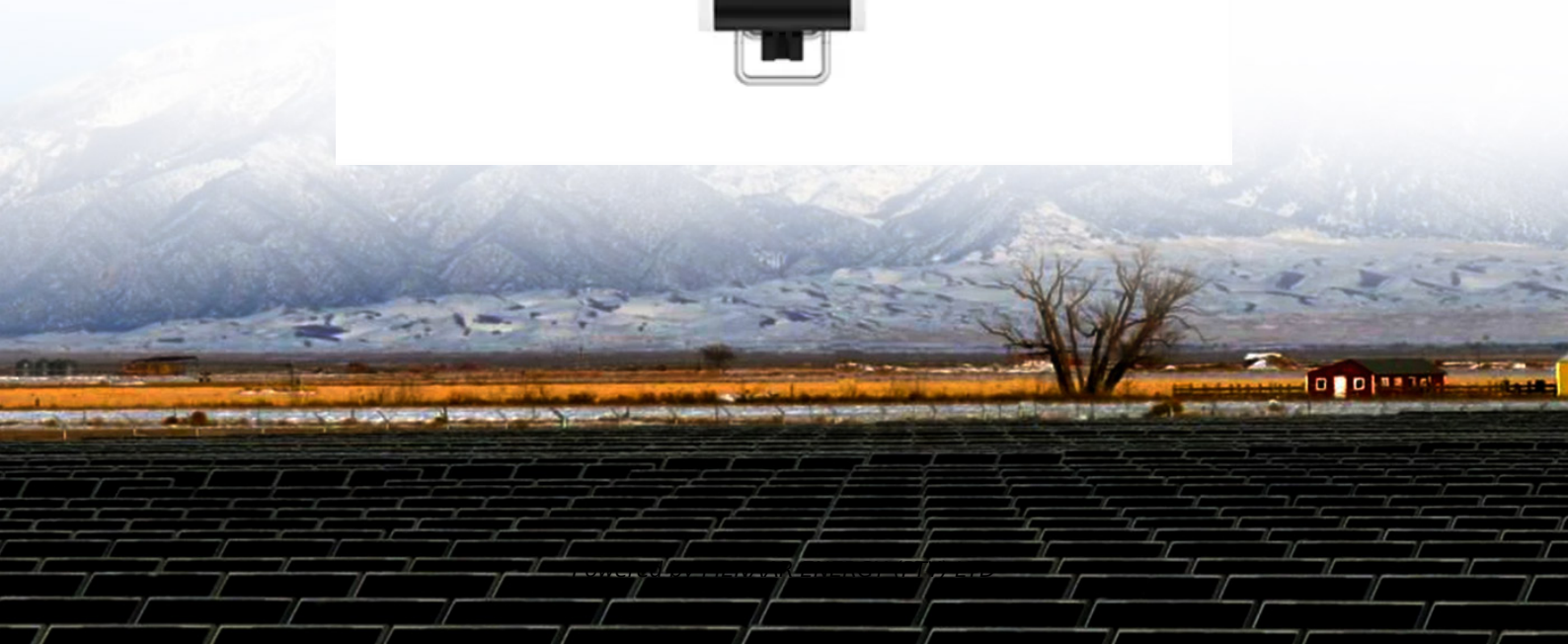


PIENAAR ENERGY (PTY) LTD

Malaysia Smart Photovoltaic Energy Storage Battery Cabinet Hybrid Type



Overview

Equipped with a robust 15kW hybrid inverter and 35kWh rack-mounted lithium-ion batteries, the system is seamlessly housed in an IP55-rated cabinet for enhanced protection against water and dust, ensuring reliable performance in various environments. In recent years, government-led initiatives such as the Net Energy Metering (NEM) and Large Scale Solar (LSS) programs have accelerated rooftop solar adoption across the nation. However, without effective energy storage, excess solar power is wasted, and energy independence remains out of reach. The farm requires 24-hour stable power supply, but faces two major pain points: 1. High electricity bills during the day 2. With advanced LFP. Equatorial Malaysia receives sufficient sunlight to power itself twice over, with an average of 4,000 to 5,000 W/m² across most of the country, leaving room for nearly 270 GW of solar capacity. But its distribution networks often struggle to handle variable generation.

Malaysia Smart Photovoltaic Energy Storage Battery Cabinet Hybrid



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