

Industrial microgrids bloemfontein

[Johannesburg, South Africa, April 24, 2023] Load shedding intensified, fuel and electricity prices have risen rapidly in Southern Africa, severely affecting manufacturing industries. To address this challenge, Huawei Digital Power held its FusionSolar 2023 Channel Partner Summit in Johannesburg, South Africa, during which the tech giant released its latest sustainable energy solutions for industrial and commercial applications.

LUNA2000-200KWH is an energy storage product of the Smart String ESS series that is suitable for industrial and commercial scenarios and provides 200KWH backup power. With Huawei's photovoltaic system and cloud management system, it can realize a complete C&I solar storage system solution.

This latest product cooperates with Huawei's self-developed PV system and cloud management system to realize One-fits-all. In this way, not only a better product adaptation, but also more monitoring and management functions can be supported.

The LUNA2000-200KWH has high-quality battery cell hence reliable, with monitoring and AI analysis data to identify risky battery, Active Isolation of rack, and special structural safety design. These four important safety protection measures make the product safety reach new high level.

By independently controlling the battery unit, this architecture can fully increase the charge and discharge capacity of each battery module, and increase its overall capacity by more than 5%, to obtain higher investment returns.

Relying on the cloud management system, 200kWh can achieve Automatic SOC calibration, Cell-level monitoring, and remote fault location functions through the cloud control interface, effectively reducing manual inspections and improving troubleshooting efficiency.

Upon the release of Huawei's LUNA2000-200KWH range of Smart String Energy Storage Solutions. Multiple of EPC's have already signed contracts with Huawei partners, Such as DJJ Group, a national-scale private company engaged in the construction sector, would be installing this solution at a hotel in Bloemfontein ; Northlands Energy, a solar EPC company, are as well preparing to install this Huawei's Smart String ESS in Northriding, Randburg, among other partners who have placed order's being shipped across South Africa and other Africa countries.

In the future, Huawei will continue to work with partners to bring green power into a wide range of industries, and provide customers with a high-quality portfolio of sustainable energy solutions.

How can one of Africa's largest industries shift to a sustainable power footing - and what are the necessary power infrastructure components to make such moves viable?

And now, driven by a multitude of factors spanning electricity shortages, the pressure to move to sustainable operations, to simple economics, Africa's mining sector is moving its energy-use profile away from fossil fuels.

According to the Economist Intelligence Unit (EIU) "load shedding and electricity shortages contributed to a 7% decline in South Africa's mining sector in 2022." South Africa is home to the continent's biggest mining sector.

And yet despite these and other headwinds the country's mining sector's sales were up, M+A activity showed signs of returning to pre-pandemic levels the sector is accelerating its moves to ensure independence and insulation from grid constraints, said the EIU.

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