

SolarMax Energy Systems

Democratic Republic of Congo Outdoor Telecommunications Power Supply BESS Specifications



Overview

What are the serviceability access details for Bess equipment?

Serviceability access details for BESS equipment. BESS auxiliary power and energy requirements. Estimated auxiliary consumption during idling, charging and discharging. Maximum Short Circuit Capacity at the DC Bus in kA from positive to negative terminal. Description of the BESS maintenance requirements including anticipated equipment replacement.

How much power can a Bess system be charged & discharged?

4.1.1.7 In all BESS operating modes, the system shall be capable of being charged or discharged at power levels anywhere from 0 to 100% of the rated charge and discharge power, respectively. 4.1.1.8 The Contractor shall advise if there is any de-rating of the discharge capabilities below a certain SOC.

Can a Bess system be discharged at a high SOC level?

In all BESS operating modes, and the system shall be capable of being discharged or charged at the rated continuous power levels throughout the entire range of maximum dischargeable SOC to minimum dischargeable SOC. The Contractor is to advise if there are any price reductions possible by limiting the charge power at high SOC levels.

What is included in a Bess system?

The BESS shall include an integrated control system. Each container shall include indicating lights for circuit breaker status and other core functions as required. In each container, the E-stop button and indicating lights shall be installed on the front of enclosures so they are visible without need to open enclosure cabinet doors.

What are the responsibilities of a contractor in a Bess project?

8.1.1.7 The Contractor shall advise LUCELEC of any planned obsolescence in the BESS components, including the Battery Modules during the project life. In

this situation, the Contractor shall offer provisions for LUCELEC to purchase suitable spares to reach the end of project life. 9. Contractor Data and Documentation Requirements.

What are the requirements for electrical components & sub-assemblies?

2.1.1.2 All electrical components shall meet all National Building Code, and UK Electrical Industry British Standards (BS) requirements and bear a recognized certification mark such as one of CE Mark, IEC, ANSI, UL, FM, etc. All electrical assemblies or sub-assemblies shall also bear such certification.

Democratic Republic of Congo Outdoor Telecommunications Power S



Democratic Republic of Congo

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Congo Republic bess manufacturer

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...

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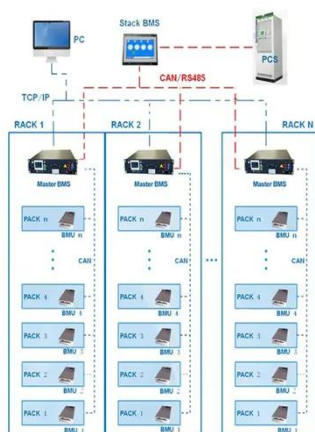
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BMS Wiring Diagram



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Democratic Congo Outdoor Power Supply Disassembly Key

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In the Democratic Republic of Congo (DRC), outdoor power supply systems play a vital role in supporting mining operations, rural electrification projects, and telecommunication infrastructure.

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DEMOCRATIC REPUBLIC OF THE CONGO

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Battery Energy Storage System (BESS)

The Contractor is to state the max



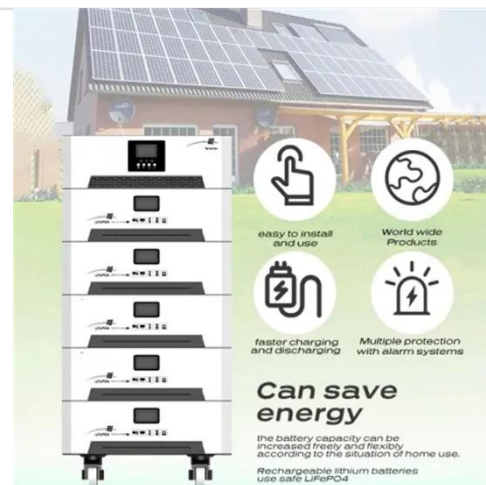
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