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Title: Saint Lucia Outdoor Communication Power Self-service BESS

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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.

What are the requirements for a Bess system?

The BESS shall include short circuit, over current, voltage surge/spike protection, over voltage and over temperature protection. The Contractor must specify and include networking equipment, software and implementation scheme to allow remote monitoring of the BESS. This remote monitoring may be implemented through LUCELEC's SCADA system.

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.

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The BESS system shall be self protecting and shall include protective devices to avoid damage in case of abnormal system operation. The BESS is not to rely on the PCS for protection of the ...

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