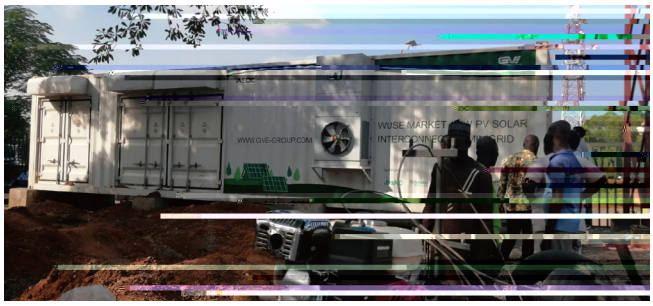
JinkoSolar Provides PV+DG+ESS Complete Solution to Nigeria

JinkoSolar has delivered solar panels with Lithium Io Battery storage off-grid site in Abuja Nigeria.

The project is located in a resort with no grid power supply but needs a year-round reliable and cost-effective off-grid system that can run in tandem with diesel generators. The site management was looking for a reliable and flexible solution where most of its power requirements can be met using solar power and reduce its dependency on diesel generators.



The system consisting of JinkoSolar' s 1 MWp N-type solar hybrid diesel generator with JinkoSolar' s 1.2MWh li-Ion battery ESS, is fully integrated and controlled solar PV+ESS+DG integration. CAN Multi protocol has been used for the communication module ?

Solar panels generate electricity right from the morning and feed electricity to the resort loads directly. If the resort has low energy demand, the power is fed to the battery for charging

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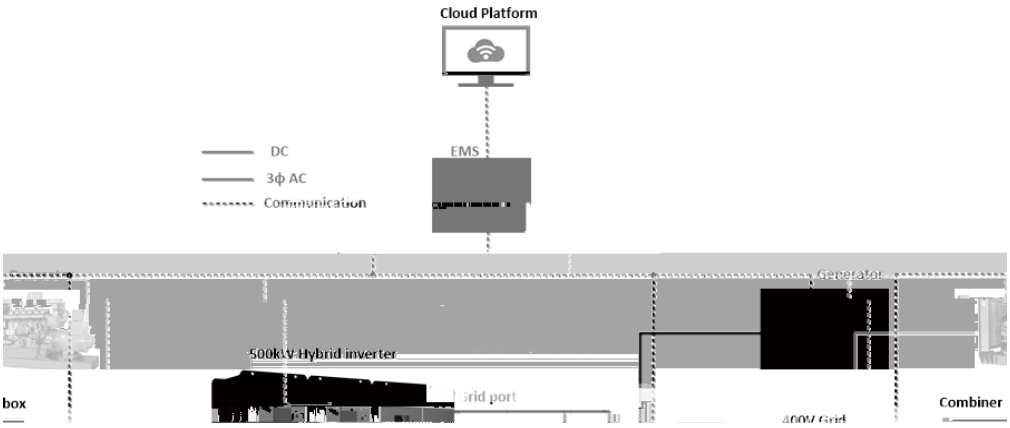

SYSTEM TECHNICAL SPECIFICATIONS

DC Data

Battery Chemistry
Cell Life Cycle
Cell Specification
Battery System Configuration
DC Rated Energy Capacity
Rated Voltage
Voltage Range
BMS Communication Interface
BMS Communication Protocol
Max.PV Input Voltage
Standard/Max PV Power
MPPT voltage range
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AC Data

General Data