

JinkoSolar Supplies 1.1MWh BESS for Hybrid Off-grid PV/DG System in Djibouti

JinkoSolar today announced it has delivered a 1.1MWh BESS for Hybrid Off-grid PV/DG System in the Republic of Djibouti, Horn of Africa, Ethiopia to the southwest, for the electrification of rural communities.

This PV/DG/BATT off-grid system is composed of 1200 kW JinkoSolar' s Tiger Neo PV modules, three diesel generators, 1.1 MWh JinkoSolar' s battery storage, and

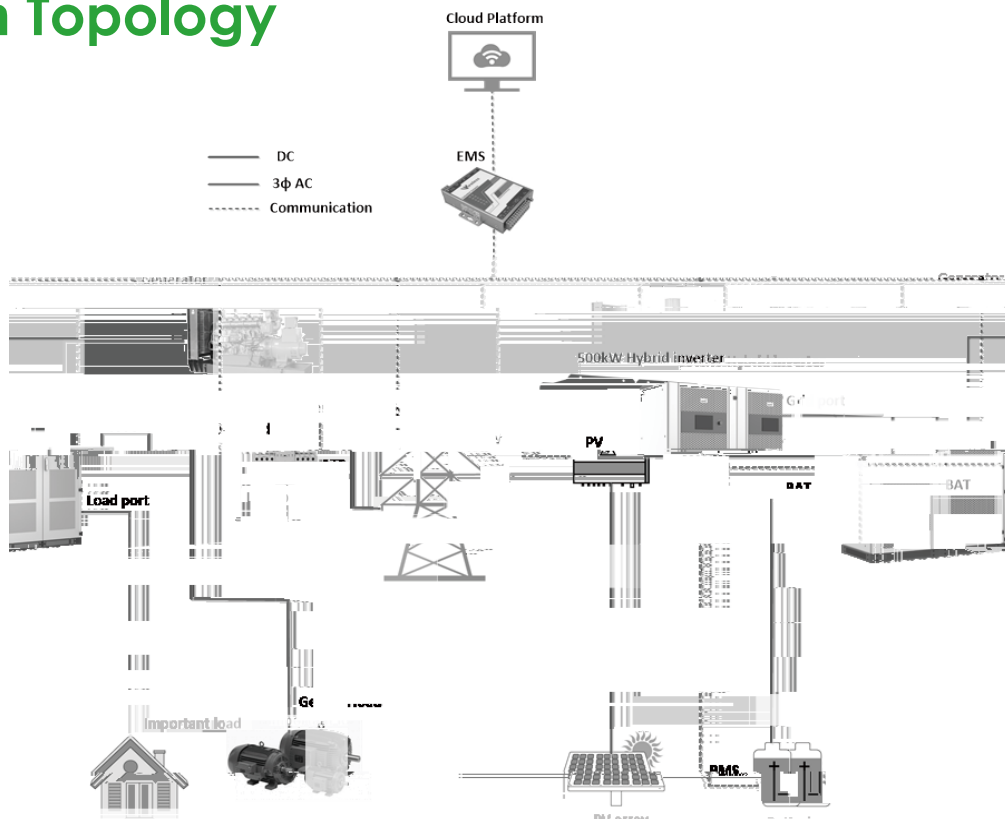
JKS540~1620K-500H



Key Features

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System Topology



SYSTEM TECHNICAL SPECIFICATIONS

| DC Data | JKS540K-500H | JKS1080K-500H | JKS1620K-500H |
|------------------------------|-------------------------------|----------------------|---------------|
| Battery Chemistry | Lithium Iron Phosphate (LFP) | | |
| Cell Life Cycle | | | |
| Cell Specification | 3.2V/96Ah | | |
| Battery System Configuration | 4P11S | 8P11S | 12P11S |
| DC Rated Energy Capacity | 540kWh | 1080kWh | 1620kWh |
| Rated Voltage | 704V | | |
| Voltage Range | 616V~792V | | |
| BMS Communication Interface | RS485, Ethernet, GPRS | | |
| BMS Communication Protocol | | | |
| Max.PV Input Voltage | 1000V | | |
| Standard/Max PV Power | 600/720kW | | |
| MPPT voltage range | 250-850V | | |
| MPPT voltage range@full load | 450-850V | | |
| AC Data | | | |
| Rated AC Power | 500kW | | |
| Maximum AC Power | 550kW | | |
| Rated Voltage | 400V | | |
| AC Rate of Current | 722A | | |
| THDi | | | |
| Power Factor | 1(leading) ~1(lagging) | | |
| Rated Frequency (Hz) | 50/60Hz | | |
| AC Connection | 3W+N+PE | | |
| STS Power | 500kW | | |
| STS Switching Time | | | |
| General Data | | | |
| Dimension (W*D*H) | 6,058*2,438*2,591mm | 12,192*2,438*2,591mm | |
| Weight | <20T | <30T | |
| Degree of Protection | IP54 | | |
| Operating Temperature Range | -20~40°C | | |
| Relative Humidity | | | |
| Max. Working Altitude | 3,000m | | |
| Cooling Concept of DC hatch | HVAC | | |
| Communication Interfaces | RS485, Ethernet, GPRS | | |
| Certifications | UL9540A, IEC62619, CE, UN38.3 | | |

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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