

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

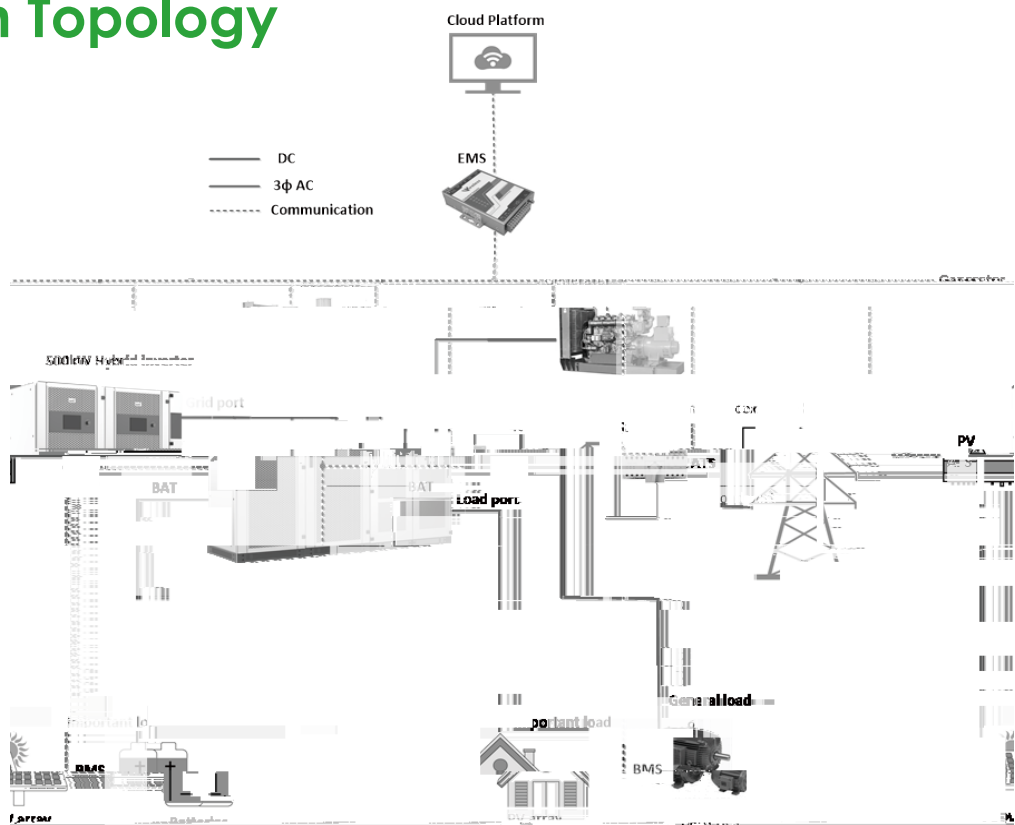
JKS540~1620K-500H



Key Features

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System Topology



SYSTEM TECHNICAL SPECIFICATIONS

D C D a t a		J K S 5 4 0 K - 5 0 0 H		J K S 1 0 8 0 K - 5 0 0 H		J K S 1 6 2 0 K - 5 0 0 H	
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			
A C D a t a							
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							
G e n e r a l D a t a							
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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