

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 800 kW of Diesel Generator.

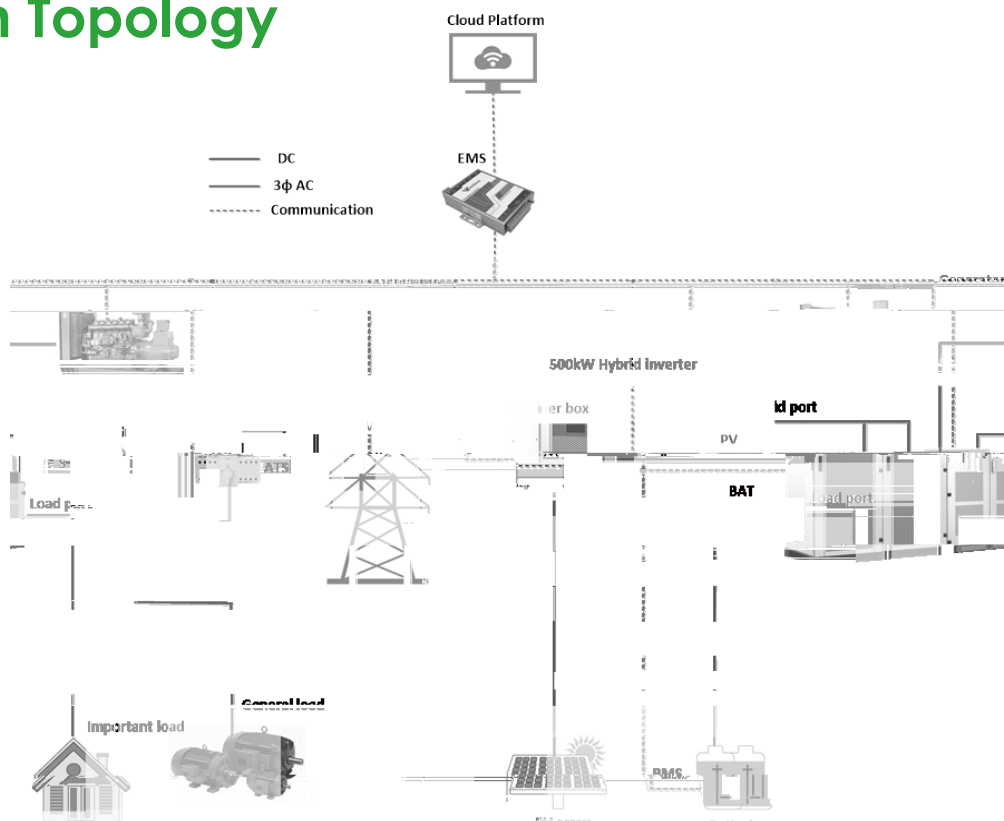
JKS540~1620K-500H



Key Features

- Highly integrated system with various working modes
- Pre-installed product enables express shipping and faster installation
- Cloud platform enables remote monitoring and management
- High efficiency and long life cycle

System Topology



SYSTEM TECHNICAL SPECIFICATIONS

DC Data		JKS540K-500H	JKS1080K-500H	JKS1620K-500H
Battery Chemistry			Lithium Iron Phosphate (LFP)	
Cell Life Cycle	8/333 F f d h v 4 F C 58 † <3 (GRG		8/333 F f d h v 3 i 8 F C 58 † <3 (GRG	
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			P r g e x v U W X i P r g e x v W F S	
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			v 6 (	
Power Factor			1(leading) ~1(lagging)	
Rated Frequency (Hz)			50/60Hz	
AC Connection			3W+N+PE	
STS Power			500kW	
STS Switching Time			v 53 p v	
General Data				
Dimension (W*D*H)	6,058*2,438*2,591mm		12,192*2,438*2,591mm	
Weight	<20T		<30T	ω 73W
Degree of Protection			IP54	
Operating Temperature Range			-20~40°C	
Relative Humidity			3 ϕ <8 (+ q r q 0 f r q g h q v l q j ,	
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.

© Jinko Solar Co., Ltd. All rights reserved. Specifications included in this datasheet are subject to change without notice.