

JinkoSolar Energizes Nigerian Mini Grid with 2.03MWh Innovative C&I Energy Storage Solution

Jinkosolar today announced it has delivered its 2.03MWh C&I energy storage system (JKS196-675K-150H) to A4&T Power Solutions for a mini grid project under the REA Perfor-

lifespan of the batteries and ensures optimum performance even in the toughest of climates.

It has a slick compact design with the flexibility to fit into indoor as well as outdoor spaces, thanks to the outdoor-rated enclosure. With IEC62619, UL9540A, CE, UN 38.3 certifications, and built-in fire suppression, this ESS offers safe operation and peace of mind.

In addition to standalone operation in off-grid mode for power backup, Jinkosolar's C&I ESS provides peak shaving for demand charge management, load shifting for time-of-use savings.

Figure 1: Project Photos

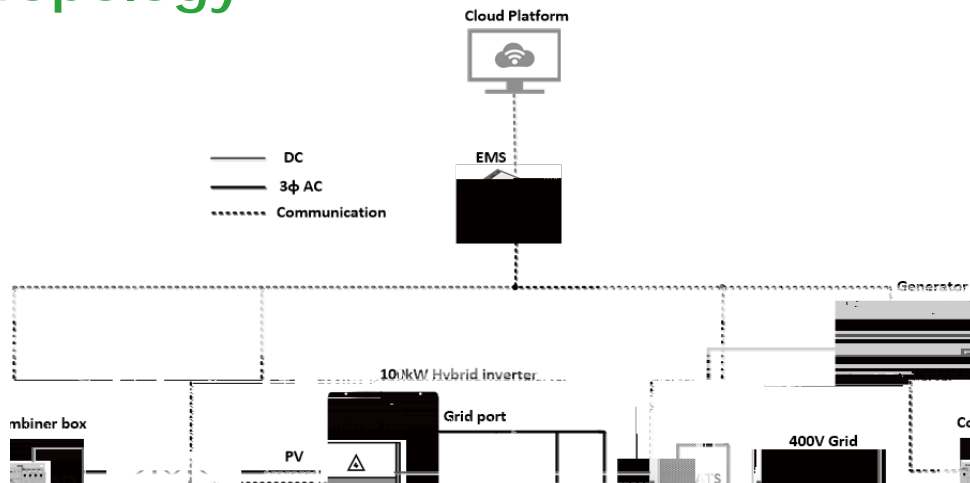
JKS196~675K-150H



Key Features

- Highly integrated system with various working modes
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System Topology



SYSTEM TECHNICAL SPECIFICATIONS

DC Data	JKS196K-150H	JKS405K-150H	JKS675K-150H
Battery Chemistry		Lithium Iron Phosphate (LFP)	
Rated Voltage		3.2V/96Ah	
Battery Configuration	2P8S	3P11S	
DC Energy Capacity	196kWh	405kWh	
Rated Voltage	512V		
Operating Voltage	448V~576V		
Communication Interface 1		RS485, Ethernet	
Communication Interface 2		Modbus RTU, Modbus TCP	
Rated Voltage		1000V	
Power Rating		120/240kW	
Operating Voltage		250-850V	
Operating Voltage @I		450-850V	
AC Data			
Rated AC Power		150kW	
Max. AC Power		165kW	
Rated Voltage		400V	
AC Current Capacity		216A	
THD		≤3%	
Power Factor		1(leading) ~1(lagging)	
Frequency (Hz)		50/60Hz	
AC Configuration		3W+N+PE	
Rated Power		150kW	
Response Time		≤20ms	
General Data			
Dimensions (W*D*H)	2,991*2,438*2,591mm	6,058*2,438*2,591mm	
Weight		< 10T	< 15T
Protection Level		IP54	
Operating Temperature		-20~40°C	
Relative Humidity		0~95% (non-condensing)	
Installation Height		3,000m	
Control System		HVAC	
Communication Interface		RS485, Ethernet, GPRS	
Certification		UL9540A, IEC62619, CE, UN38.3	

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

For more information, please contact us at sales@jks.com.