

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

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 Temperature	512V				
Temperature Range	448V~576V				
Battery Communication Interface	RS485, Ethernet				
Battery Communication Protocol	Modbus RTU, Modbus TCP				
Rated Discharge Current	1000V				
Max. Power / Max. Temperature	120/240kW				
Max. Voltage	250-850V				
Max. Voltage @I	450-850V				
AC Data					
Rated AC Power	150kW				
Max. AC Power	165kW				
Rated Temperature	400V				
AC Input Current	216A				
THD	≤3%				
Power Factor	1(leading) ~1(lagging)				
Rated Frequency (Hz)	50/60Hz				
AC Protection	3W+N+PE				
Max. Power	150kW				
Max. 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 Grade	IP54				
Operating Temperature Range	-20~40℃				
Relative Humidity	0~95% (non-condensing)				
Max. Altitude	3,000m				
Cooling / Heating System	HVAC				
Communication Interface	RS485, Ethernet, GPRS				
Certification	UL9540A, IEC62619, CE, UN38.3				

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

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