

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.

SYSTEM TECHNICAL SPECIFICATIONS

DC Data	JKS196K-150H	JKS405K-150H	JKS675K-150H
Battery Chemistry	Lithium Iron Phosphate (LFP)		
Cell Chemistry			
Cell Configuration	3.2V/96Ah		
Battery Pack Configuration	2P8S	3P11S	
DC Energy Storage Capacity	196kWh	405kWh	
Max. Discharge Voltage	512V		
Typical Discharge Voltage	448V~576V		
Battery Communication Interface	RS485, Ethernet		
Battery Communication Protocol	Modbus RTU, Modbus TCP		
Max. System Voltage	1000V		
Max. Power / Max. Current	120/240kW		
Max. Discharge Current	250-850V		
Max. Discharge Current @1s	450-850V		
AC Data			
Max. AC Power	150kW		
Max. AC Power	165kW		
Max. System Voltage	400V		
AC Input Current	216A		
HD	≤3%		
Power Factor	1(leading) ~1(lagging)		
Frequency (Hz)	50/60Hz		
AC Configuration	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 Level	IP54		
Operating Temperature	-20~40℃		
Humidity	0~95% (non-condensing)		
Max. Cable Length	3,000m		
Cable Configuration	DC		
Cable Configuration	HVAC		
Cable Configuration	RS485, Ethernet, GPRS		
Cable Configuration	UL9540A, IEC62619, CE, UN38.3		