

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-

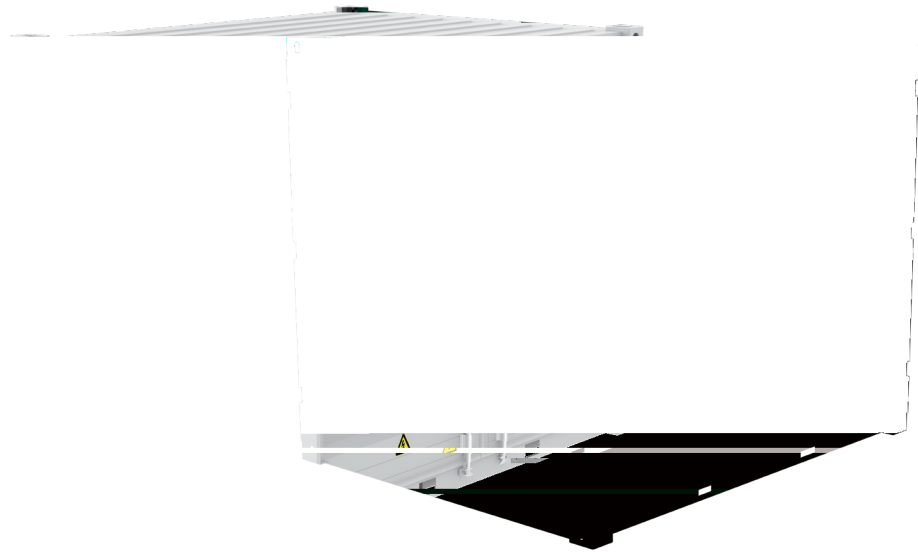
lifespan of the batteries and ensures optimum performance even in the toughest of climates.

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



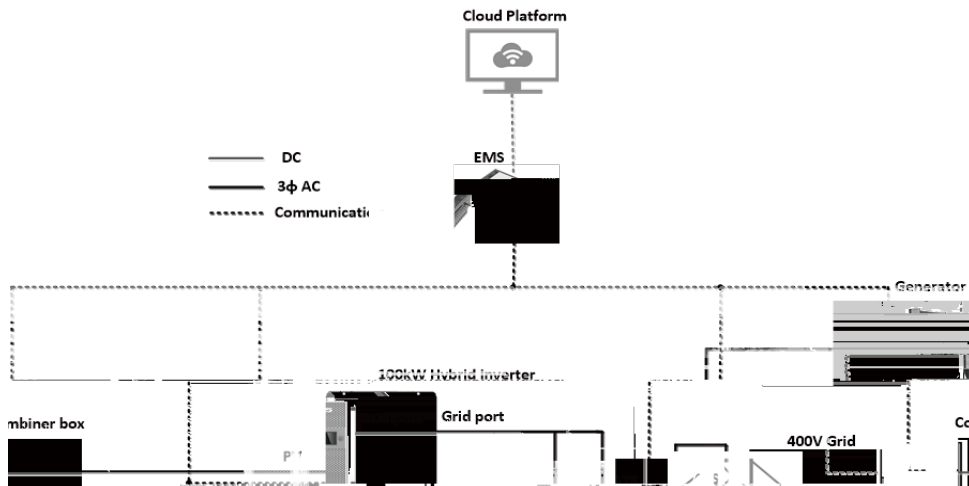


- Highly integrated system with various working modes

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SYSTEM TECHNICAL SPECIFICATIONS

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

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

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