

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.

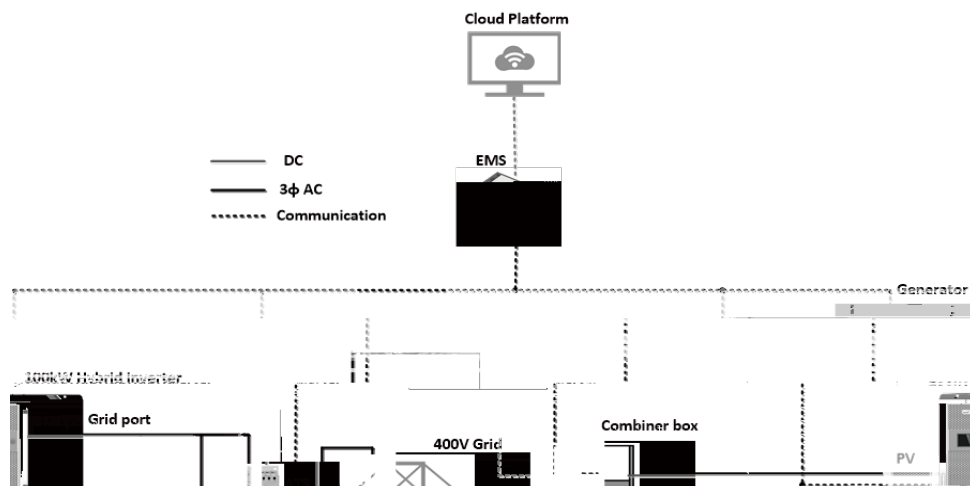
It has a slick compact design with the flexibility to fit into indoor as well as outdoor spaces, thanks to the outdoor-rated enclosure. With IEC62619, UL9540A, CE, UN 38.3 certifications, and built-in fire suppression, this ESS offers safe operation and peace of mind.

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
- το σύστημα μπορεί να λειτουργήσει ως αυτόνομο σύστημα ή να συνδεθεί με το δίκτυο
- [Ct] είναι ένα σύστημα που μπορεί να λειτουργήσει ως αυτόνομο ή να συνδεθεί με το δίκτυο
- Λειτουργεί ως αυτόνομο σύστημα ή ως σύστημα που συνδέεται με το δίκτυο



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 System Voltage (C ₁₀)	2P8S	3P11S	
DC System Energy Storage Capacity	196kWh	405kWh	
System Voltage (T ₁)	512V		
System Voltage (T ₂)	448V~576V		
Battery Communication Interface	RS485, Ethernet		
Battery Communication Protocol	Modbus RTU , Modbus TCP		
System Insulation Level	1000V		
Maximum Power Output	120/240kW		
Operating Voltage Range	250-850V		
Operating Voltage Range @100%	450-850V		
AC Data			
System AC Capacity	150kW		
System AC Capacity	165kW		
System Voltage (T ₁)	400V		
AC System Grounding	216A		
System Harmonic Distortion	≤3%		
System Power Factor	1(leading) ~1(lagging)		
System Frequency (Hz)	50/60Hz		
AC System Capacity	3W+N+PE		
System Capacity	150kW		
System Response Time	≤20ms		
General Data			
Dimensions (D*H)	2,991*2,438*2,591mm	6,058*2,438*2,591mm	
Weight	<10T		<15T
Protection Level	IP54		
Operating Temperature Range	-20~40℃		
Relative Humidity	0~95% (non-condensing)		
Maximum Altitude	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.

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