

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

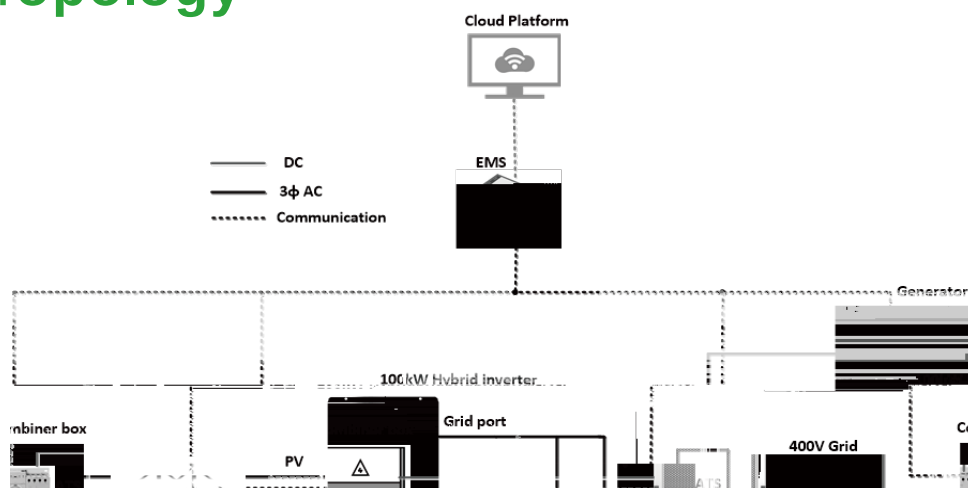
JKS196~675K-150H



Key Features

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System Topology



SYSTEM TECHNICAL SPECIFICATIONS

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