

JinkoSolar Energizes Nigerian Mini Grid with 2.03MWh Innovative C&I Energy Storage Solution

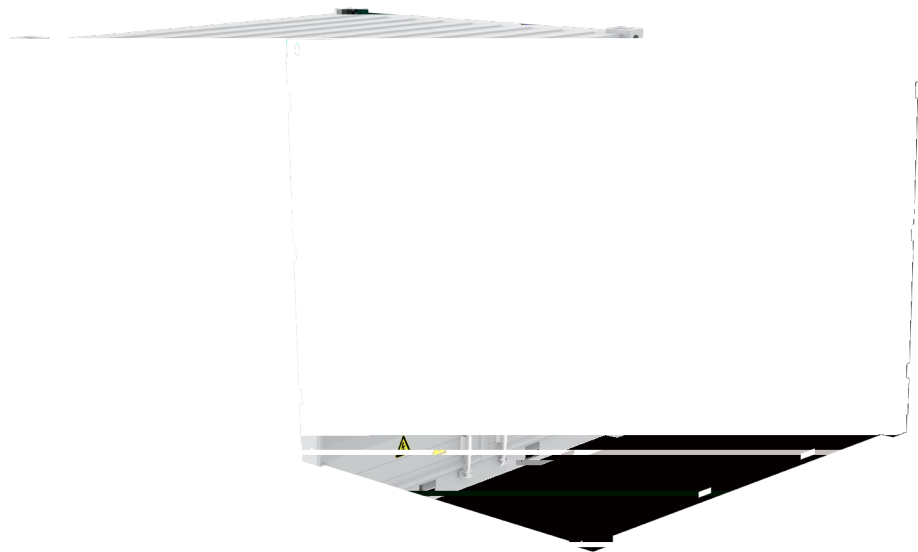
Jinkosolar today announced it has delivered its 2.03MWh C&I energy storage system (JKS196-675K-150H) to A4&T Power Solutions for a mini grid project under the REA Perfor-

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

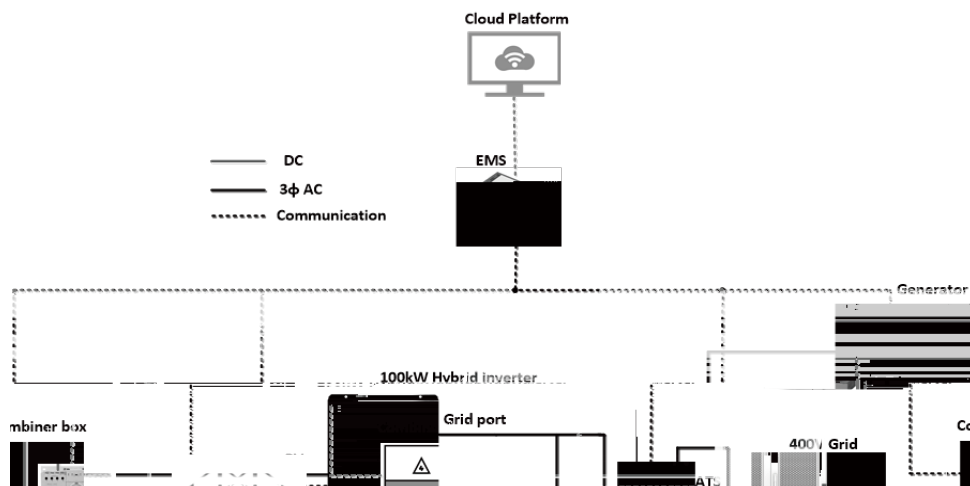
It has a slick compact design with the flexibility to fit into indoor as well as outdoor spaces, thanks to the outdoor-rated enclosure. With IEC62619, UL9540A, CE, UN 38.3 certifications, and built-in fire suppression, this ESS offers safe operation and peace of mind.

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



- [Ct ὁτὶ ἡ Σοβλ ΣΩσῆοσ ΡῶΩ° Σο ὁτὶ ἡ Σοβλ ΡῶΩ° ἰΩΣ ἰΩ° ἰΣο σῑῑΣῑῑ
- τοσ μῑμῑῑῑῑ ῑοῑΩσμῑῑῑῑ ῑῑῑΩ ΣΩῑῑΣο ῑῑῑῑῑῑ ῑῑῑῑ ῑῑῑῑῑῑ ῑῑῑῑῑῑ
- ῑῑῑῑῑῑῑ ῑῑῑῑ ῑῑῑῑῑῑῑ ῑῑῑῑ ῑῑῑῑῑῑῑ ῑῑῑῑῑῑ ῑῑῑῑῑῑῑ ῑῑῑῑῑῑῑ



SYSTEM TECHNICAL SPECIFICATIONS

DC Data	JKS196K-150H	JKS405K-150H	JKS675K-150H
Battery Chemistry	Lithium Iron Phosphate (LFP)		
Cell Life Cycle			
Cell Specification	3.2V/96Ah		
Battery System Configuration	2P8S	3P11S	
DC Rated Energy Capacity	196kWh	405kWh	
Rated Voltage	512V		
Voltage Range	448V~576V		
BMS Communication Interface	RS485, Ethernet		
BMS Communication Protocol	Modbus RTU , Modbus TCP		
Max.PV Input Voltage	1000V		
Standard/Max PV Power	120/240kW		
MPPT voltage range	250-850V		
MPPT voltage range@full load	450-850V		
AC Data			
Rated AC Power	150kW		
Maximum AC Power	165kW		
Rated Voltage	400V		
AC Rate of Current	216A		
THDi	≤3%		
Power Factor	1(leading) ~1(lagging)		
Rated Frequency (Hz)	50/60Hz		
AC Connection	3W+N+PE		
STS Power	150kW		
STS Switching Time	≤20ms		
General Data			
Dimension (W*D*H)	2,991*2,438*2,591mm	6,058*2,438*2,591mm	
Weight		< 10T	< 15T
Degree of Protection	IP54		
Operating Temperature Range	-20~40℃		
Relative Humidity	0~95% (non-condensing)		
Max. Working Altitude	3,000m		
Cooling Concept of DC hatch	HVAC		
Communication Interfaces	RS485, Ethernet, GPRS		
Certifications	UL9540A, IEC62619, CE, UN38.3		