

# **JinkoSolar Lights Up Mozambique: Delivering PV Plus ESS Microgrid to Empower Chipera Community**

JinkoSolar has delivered a solar plus ESS microgrid

Pre-popula

n

A

A

A

# SYSTEM TECHNICAL SPECIFICATIONS

DC Data	JKS270K-250H	JKS810K-250H	JKS1350K-250H
Battery Chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> ) (E)		
Cell Life Cycle	5,000 Cycles, 1C@25°C 90% DOD	5,000 Cycles, 0.5C@25°C 90% DOD	
Cell Specification	3.2V /96Ah		
Battery System Configuration	2-11	6-11	10-11
DC Rated Energy Capacity	270	810	1350
Rated Voltage	704V		
Voltage Range	616V-792V		
BMS Communication Interface	RS485, E-Stop		
BMS Communication Protocol	LiFePO <sub>4</sub> , LiFePO <sub>4</sub> -C		
Max.PV Input Voltage	1000V		
Standard/Max PV Power	300/360		
MPPT voltage range	250-850V		
MPPT voltage range@full load	450-850V		
<b>AC Data</b>			
Rated AC Power	250		
Maximum AC Power	275		
Rated Voltage	400V		
AC Rate of Current	361A		
THDi	≤3%		
Power Factor	1(Leading)~1(Lagging)		
Rated Frequency (Hz)	50/60		
AC Connection	3-Phase + E		
STS Power	250		
STS Switching Time	≤20ms		
<b>General Data</b>			
Dimension (W*D*H)	2,991*2,438*2,591mm	6,058*2,438*2,591mm	12,192*2,438*2,591mm
Weight	<10	<20	<30
Degree of Protection	IP54		
Operating Temperature Range	-20~40°C		
Relative Humidity	0~95% (Non-condensing)		
Max. Working Altitude	3,000m		
Cooling Concept of DC hatch	Natural AC		
Communication Interfaces	RS485, E-Stop		
Certifications	UL9540A, EC62619, CE, IEC62133		