

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

JinkoSolar has delivered a solar plus ESS microgrid project in Chipera, Mozambique, with the company's investment of \$1.2 million.



# SYSTEM TECHNICAL SPECIFICATIONS

DCD t	270 -250	810 -250	1350 -250
Battery Chemistry	Lithium Iron Phosphate (LFP)		
Cycle Life	5,000 Cycles 1C@25 90%DOD	5,000 Cycles 0.5C@25 90%DOD	
Capacity	3.2V/96Ah		
Battery Pack Configuration	2P11S	6P11S	10P11S
DC Energy Capacity	270kWh	810kWh	1350kWh
System Voltage	704V		
Operating Voltage	616V~792V		
Communication Protocols	RS485, Ethernet		
Backup Protocols	Modbus RTU, Modbus TCP		
System Voltage	1000V		
Power Rating / System Power	300/360kW		
Operating Voltage	250-850V		
Operating Voltage @ 100% SOC	450-850V		
ACD t			
System AC Power	250kW		
Max AC Power	275kW		
System Voltage	400V		
AC Breaker Rating	361A		
THD	3%		
Power Factor	1(leading) ~1(lagging)		
System Frequency (Hz)	50/60Hz		
AC Configuration	3W+N+PE		
System Power	250kW		
Response Time	20ms		
Dimensions			
Dimensions (L*W*H)	2,991*2,438*2,591mm	6,058*2,438*2,591mm	12,192*2,438*2,591mm
Weight	<10T	<20T	<30T
Protection Class	IP54		
Operating Temperature	-20~40°C		
Relative Humidity	0~95% (non-condensing)		
Max. Altitude	3,000m		
Control System	DC, HVAC		
Communication Protocols	RS485, Ethernet, GPRS		
Certifications	UL9540A, IEC62619, CE, UN38.3		