

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

JinkoSolar has delivered a solar plus ESS microgrid

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 Range	616V~792V		
Battery Communication	RS485, Ethernet		
Battery Management System	Modbus RTU, Modbus TCP		
System Voltage	1000V		
Power Rating	300/360kW		
Operating Temperature	250-850V		
Storage Temperature	450-850V		
ACD t			
AC Power	250kW		
AC Power	275kW		
System Voltage	400V		
AC Current	361A		
Efficiency	3%		
Power Factor	1(leading) ~1(lagging)		
Frequency	50/60Hz		
AC Configuration	3W+N+PE		
Power Rating	250kW		
Response Time	20ms		
Dimensions			
Dimensions (*D*)	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)		
Altitude	3,000m		
Control System	DC HVAC		
Communication	RS485, Ethernet, GPRS		
Certification	UL9540A, IEC62619, CE, UN38.3		