

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

JinkoSolar has delivered a solar plus ESS microgrid

SYSTEM TECHNICAL SPECIFICATIONS

DC D t		270 -250	810 -250	1350 -250
Battery Chemistry		LiFePO4 (LFP)		
Cell Life Cycle	5,000 1 25 0% ₁	5,000 0.5 25 0% ₁		
Cell Specification		3.2 / 6		
Battery System Configuration	2 11	6 11	10 11	
DC Rated Energy Capacity	270	10	1350	
Rated Voltage		704		
Voltage Range		616 7 2		
BMS Communication Interface		4 5,		
BMS Communication Protocol		CAN, RS485		
Max.PV Input Voltage		1000		
Standard/Max PV Power		300/360		
MPPT voltage range		250- 50		
MPPT voltage range@full load		450- 50		
AC D t				
Rated AC Power		250		
Maximum AC Power		275		
Rated Voltage		400		
AC Rate of Current		361		
THDi		3%		
Power Factor		1(0.9) 1(0.9)		
Rated Frequency (Hz)		50/60		
AC Connection		3 + +		
STS Power		250		
STS Switching Time		20ms		
n r ID t				
Dimension (W*D*H)	2, 1*2,43 *2,5 1mm	6,05 *2,43 *2,5 1mm	12,1 2*2,43 *2,5 1mm	
Weight	10kg	20kg	<30	
Degree of Protection		IP54		
Operating Temperature Range		-20 40		
Relative Humidity		0 5% (0 95%)		
Max. Working Altitude		3,000msl		
Cooling Concept of DC hatch		Natural convection		
Communication Interfaces		4 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		
Certifications		CE, UL, IEC, VDE, TUV, ISO, RoHS, REACH, UN38.3, IEC60086-1, IEC60947-1, IEC60947-2, IEC60947-3, IEC60947-4, IEC60947-5, IEC60947-6, IEC60947-7, IEC60947-8, IEC60947-9, IEC60947-10, IEC60947-11, IEC60947-12, IEC60947-13, IEC60947-14, IEC60947-15, IEC60947-16, IEC60947-17, IEC60947-18, IEC60947-19, IEC60947-20, IEC60947-21, IEC60947-22, IEC60947-23, IEC60947-24, IEC60947-25, IEC60947-26, IEC60947-27, IEC60947-28, IEC60947-29, IEC60947-30, IEC60947-31, IEC60947-32, IEC60947-33, IEC60947-34, IEC60947-35, IEC60947-36, IEC60947-37, IEC60947-38, IEC60947-39, IEC60947-40, IEC60947-41, IEC60947-42, IEC60947-43, IEC60947-44, IEC60947-45, IEC60947-46, IEC60947-47, IEC60947-48, IEC60947-49, IEC60947-50, IEC60947-51, IEC60947-52, IEC60947-53, IEC60947-54, IEC60947-55, IEC60947-56, IEC60947-57, IEC60947-58, IEC60947-59, IEC60947-60, IEC60947-61, IEC60947-62, IEC60947-63, IEC60947-64, IEC60947-65, IEC60947-66, IEC60947-67, IEC60947-68, IEC60947-69, IEC60947-70, IEC60947-71, IEC60947-72, IEC60947-73, IEC60947-74, IEC60947-75, IEC60947-76, IEC60947-77, IEC60947-78, IEC60947-79, IEC60947-80, IEC60947-81, IEC60947-82, IEC60947-83, IEC60947-84, IEC60947-85, IEC60947-86, IEC60947-87, IEC60947-88, IEC60947-89, IEC60947-90, IEC60947-91, IEC60947-92, IEC60947-93, IEC60947-94, IEC60947-95, IEC60947-96, IEC60947-97, IEC60947-98, IEC60947-99, IEC60947-100		