



IP54 High level protection



LCD Color Screen Operation



Dual back up output



Wi-Fi Smart Monitoring Platform



Single PV Operation Supported



Max.1.5 Times PV Oversize Capacity



Support up to 9 unit in parallel (Optional)



Support dry contact starting generator (Optional)



The maximum current of single string module is 27A



MPPT Wide Voltage Range: 60-450V



Supports three-phase output after single-phase parallel operation



Automatic switching within 10ms

TECHNICAL SPECIFICATION

MODEL	ZING-SP54-6KW	ZING-SP54-10KW
Rated Power	6000VA/6000W	10000VA/10000W
PV INPUT DATA		
Max. PV Input Power(W)	9000	9000
Using One MPPT: 9KW	9KW	9KW
Using TWO MPPTs: 15kW/Total	15kW/Total	15kW/Total
Max. PV Input Voltage(V)	500	500
MPPT Voltage Range(V)	60-450	60-450
Max. PV Charge Current (A)	120	160
Max. Current per MPPT (A)	27	27
Number of MPP Trackers	1	2
AC OUTPUT DATA		
Rated AC Output Power (WATTS)	6000	10000
Rated Output Current(A)	26.1	43.5
Peak Output Power, Time	60s@108%-120%Load 10s@120%Load	60s@102%-125%Load 10s@125%Load
Rated voltage	208/220/230/240VAC	220/230/240VAC
Rated Frequency 50/60Hz ± 0.1%	50/60Hz ± 0.1%	50/60Hz ± 0.1%
Switch Time(ms)	10(APP/UPS mode) 10(UPS mode)	10(APP/UPS mode) 20(GEN mode)
Output Voltage Waveform	Pure Sine Wave	Pure Sine Wave
Max. Efficiency	98%	98%
AC INPUT DATA		
Rated voltage	208/220/230/240; L+N+PE	220/230/240; L+N+PE
Voltage range(V)	90~280 ± 3(normal mode); 170~280±3(UPS mode)	
Intput Type	L+N+PE	
Rated Frequency(Hz)	50/60	
BATTERY INPUT DATA		
Battery Type	Lithium, Lead-acid	
Battery Voltage (V)	48	48
Max. Charging Current (A)	120	160
Floating Charge Voltage(V)	54	54
PROTECTION		
INTEGRATED: AC low voltage protection; AC high voltage protection; AC over current protection; AC frequency offset protection; Battery low voltage protection; Battery high voltage protection; Battery Short circuit protection; Photovoltaic high voltage protection; Photovoltaic low voltage protection; Photovoltaic revere connection protection; Overload protection; Short circuit protection; Low-voltage protection; Over voltage protection		
GENERAL DATA		
Display	LCD	
Operating Temperature Range	-10 ~60 (derating above 40°C)	-10 ~60 (derating above 40°C)
Dimension L x W x H mm)	511*323*110	605*425*120
Weight(kg)	10.8	17.3
Installation method	Wall-mounted	
Relative Humidity	5% ~ 95% (Non-condensing)	5% ~ 95% (Non-condensing)
Max. Operating Altitude(m)	4000m(Derating above 1000m)	4000m(Derating above 1000m)
Protection Degree	IP54	
Communication	RS485/CAN/RS232/WIFI	
Number of parallel	9	6
Standard	IEC61000,IEC 62109-1/2,IEC61683,IEC 61727,IEC 62116	