



IP66 High level protection



LCD Color Screen Operation



AC couple to retrofit existing solar system



200% PV Input Maximizes Solar Energy Utilization



Max 210A Charge/Discharge Current



Support up to 6 unit in parallel



Single PV Operation Supported



Dual back up output



UPS Switch Over time < 10ms

TECHNICAL SPECIFICATION

MODEL	ZING-SP66-8KW	ZING-SP66-10KW
Battery Type	Lead-acid or Lithium-ion	
BATTERY INPUT PARAMETERS		
Battery Voltage Range (V)	40-60	
Max. Charge Current (A)	190	210
Max. Discharge Current (A)	190	210
Lithium Battery Comm.	Self-adaption to BMS	
Number of Battery Inputs	1	
PV INPUT PARAMETERS		
Max. PV Access Power (W)	16000	20000
Max. PV Input Power (W)	12800	16000
Max. PV Input Voltage (V)	500	
MPPT Voltage Range (V)	150~425	
Start-up Voltage (V)	125	
Rated PV Input Voltage (V)	370	
Max. Operating PV Input Current (A)	26/26	
Max. Input Short-Circuit Current (A)	34/34	
Number of MPPT Trackers	2 / 2+2	
AC INPUT/OUTPUT PARAMETERS		
Rated AC Power (W)	8000	10000
Max. AC Power (VA)	8800	11000
Rated AC Input/Output Current (A)	36.4/34.8	45.5/43.5
Max. AC Input/Output Current (A)	40.0/38.3	50.0/47.9
Max. AC Input Current(BP)(A)	50	
Rated Input/Output Voltage Range	220V/230V 0.85Un-1.1Un	
Grid Connection Type	L+N+PE	
Rated Input/Output Frequency/ Range	50Hz / 45Hz~55Hz 60Hz / 55Hz~65Hz	
Output Power Factor	0.8 leading ~ 0.8 lagging	
Harmonic Distortion (THDi)	< 3% (at nominal power)	
DC Current Injection	< 0.5% In	
EFFICIENCY		
Maximum Efficiency	97.6%	
Euro Efficiency	96.5%	
MPPT Efficiency	> 99%	
PROTECTION		
Integrated Protections: AC Output Over-current, Thermal, AC Output Over-voltage, AC Output Short-circuit, DC Injection Monitoring, Arc Fault Circuit Interrupter (Optional), Anti-Islanding, DC Switch, Insulation Impedance Detection, Residual Current Monitoring		
Surge Protection Type	Type II (DC), Type II (AC)	
COMMUNICATION & MONITORING		
Communication Interface	WIFI / RS485 / CAN	
LCD/LED Display	LCD	
GENERAL PARAMETERS		
Operating Temperature (°C)	-40 to +60°C (Derating > 45°C)	
Relative Humidity	0 ~ 100%	
Operating Altitude (m)	≤2000m	
Cooling Method	Intelligent Air Cooling	
Noise (dB)	< 30 dB	
Weight (kg)	27.2	
Dimensions (WHDmm)	579*330*238	
IP Rating	IP66	
Topology	Non-Isolated	
Safety & EMC Certification	IEC/EN61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
Grid-Tie Certification	IEC61727,IEC62116,CE10-21EN50549,NRS097,RD140, UNE217002,OVE-Richtlinie R25,G98,G99, VDE-AR-N 4105	