

PowerGen 2kW

2kW



Model	PowerGen 2kW	
	Battery Input Data	
Battery Type	Lead-acid or Lithium-ion	
Battery Voltage(V)	12	
Max. Charging Current(A)	100	
Max. Discharging Current(A)	150	
Charging Strategy for Li-ion Battery	Self adaption to BMS	
Number of Battery Input	1	
	PV String Input Data	
Max.PV access power(W)	3750	
Max.PV Input Power(W)	3000	
Max.PV Input Voltage(V)	450	
Start-up Voltage(V)	40	
MPPT Voltage Range(V)	30~400	
Rated PV Input Voltage(V)	170	
Max.Operating PV Input Current(A)	18	
No.of MPPT Tackers/String Per MPPT Tracker	1/1	
	AC Output Data	
Rated AC Output Power(VA/W)	2KW @PV + Bat 1.6KW @Bat	
Max.AC Output Power(VA/W)	2000	
Peak Power(W)	4000	
Rated Output Voltage(V)	230	
Number of AC output ports	2	
Output Type	L+N+PE	
Rated Output Frequency(Hz)	50/60	
Total Current Harmonic Distortion THDi	<3% (of nominal power)	
	AC Input Data	
Max.Input Power to Battery(W)	1600	
Rated Input Voltage(V)	230	
Voltage Range (V)	90~300	
Rated Input Frequency(Hz)	50/ 60 (auto-detect)	
Bypass Current(A)	17	
	Efficiency	
Peak Efficiency(Battery to INV)	≥ 91%	
Peak Efficiency(PV to INV)	>95%	
MPPT Efficiency	>99%	
	Interface	
Communication Interface	RS485(BMS)	
	General Data	
Operating Temperature Range (°C)	-10~60	
Permissible Ambient Humidity	5~95%	
Permissible Altitude (m)	2000	
Noise(dB)	55	
Ingress Protection(IP) Rating	IP21	
Inverter Topology	Non-Isolated	
Cabinet Size(DxWxH mm)	102x281.5x339	
Weight(kg)	5	
Warranty	5 years (2 years free 3 years service)	
Type of Cooling	Intelligent Air Cooling	
Safety EMC/Standard	IEC/EN 62109-1, IEC/EN 62109-2	