

Solar Juice Series

Off-grid Inverter

To be Announced



Key Parameters	24V 3.6kW	48V 6kW
Model	G3600	G6000
Battery		
Type	Li-Ion/Lead-acid	
Voltage (V)	24	48
PV input		
Maximum Power (W)	4320	7440
Maximum Voltage (V)	430 V	
Nominal Voltage (V)	120/240	240/400
MPPT Voltage Range (V)	30 ~ 387	
Start-Up Voltage (V)	25	
Maximum Current (A)	2*18	
Maximum Short-Circuit Current (A)	2*20	
MPPT Tracking Number	1	
MPPT Tracking Efficiency	99.9	
AC Input		
Nominal Voltage (V)	1-phase / L+N+PE, 230	
Voltage Range (V)	85-305	
Nominal Frequency (Hz)	50 ~ 60 (Adaptive select)	
Frequency Range (Hz)	40 ~ 70	
Power Factor	0.99	
Diesel Generator Input		
Nominal Voltage (V)	1-phase / L+N+PE, 230	
Voltage Range (V)	83 ~ 305	
Nominal Frequency (Hz)	50-60 Hz (Adaptive select)	
Frequency Range (Hz)	40 ~ 70	
AC Output		
Nominal Voltage (V)	1-phase / L+N+PE, 208/220/230 (Nominal)/240±5% (Setting on LCD), 50 Hz±0.1%	
Nominal Current (A)	15.7	27
Nominal Power (W)	3600	6000
120% Overload	Operation for > 60 Seconds	
150% Overload	Operation for > 10 Seconds	
200% Overload	Operation for > 5 Seconds	
300% Overload	Operation for > 1 Second	
Output Waveform	Pure Sinusoidal	
THDv	< 3%	
Bypass Voltage (V)	Following AC Input	
Bypass Power (W)	3600	6000
General Parameters		
Circuit Topology	High-Frequency Transformer Isolation	
Time from Bypass to Inverter (ms)	< 10	
Time from Inverter to Bypass (ms)	< 20	
MPPT Tracking Efficiency	99.90%	
Maximum Discharging Efficiency (%)	93.5	94.5
Maximum Charging Efficiency	92.5	93.5
Standby Power Consumption (W)	< 40	< 50
Units Paralleling Number	9 Units	
Electric Protection	OCP, Short-Circuit, OVP, UVP, Lighting, Battery OC etc.	
Display	LEDs / LCD / APP	
Communication	Modbus RTU	
Net Weight (kg)	4.5	7.5
Dimensions (W×H×D, mm)	300W × 450H × 110.5D	
Operating Temperature	-20°C ~ 55°C (> 40°C, Power derating)	
Storage Temperature	-40°C ~ 65°C	
Relative Humidity	20% - 95% Without condensation	
Altitude	Derating @ > 3000 m	
Dust and Water Protection	IP20 / IP54 Optional	
Cooling	Intelligent speeding fan	
Noise Emission	< 60 dB(A)	
Certificate	CE Mark	
Interface		
Start-Up Switch	Bottom Switch for Battery Input (Automatic Start-Up Once Nominal PV or AC Input)	
Communication Module	RS485/CAN, WiFi/GRPS Optional	
Monitoring System	Sinevolts Cloud Optional	
Units Paralleling Cable	RS485/CAN, Optional	