

Solar Juice Series

Off-grid Inverter

To be Announced



Key Parameters	12V 3kW
Model	VC 3000
AC Input	
Line Type	1-phase / L+N+PE
Nominal Voltage (V)	120 / 230
Voltage Range (V)	120 ~ 240 / 90 ~ 264
Nominal Frequency (Hz)	50-60 (Adaptive select)
Frequency Range (Hz)	40 ~ 70
Power Factor	0.99
AC Output	
Nominal Voltage (V)	1-phase / L+N, 110 / 230 ±5%
Nominal Frequency (Hz)	50 Hz±0.1%
Nominal Current (A)	13.1
Nominal Power (W)	3,600
Output Wave	Pure Sinewave
THDv	< 3%
Bypass Voltage (V)	Following Line
Bypass Power (W)	3000
Battery	
Battery Cells	Lead-acid/Li-ion
Battery Voltage (V)	12 (10-15)
Max. Charging Current (A)	100
Charging Power (W)	1400
General Parameter	
Maximum Efficiency	92%
Time between Bypass with Inverter	
Electric Protection	OCP, short-circuit, OVP, UVP, lightning, battery OC etc.
Protection Class	Class II Double-insulated
Display	LCD / LEDs
Communication	Modbus RTU, Modbus TCP/UDP
Weight	
Dimension (W×H×D)	
Operating Temperature	-15°C - 55°C (> 40°C Power derating)
Storage Temperature	-40°C - 65°C
Relative Humidity	20% - 95% Without condensation
Altitude	>3000 m Derating/refer to IEC62040
Dust and water protection	IP20
Cooling	Fan Cooling
Noise Emission	< 60 dB(A)
Interface	
Start-up Switch	Bottom Switch
Communication Module	WiFi, Bluetooth, RS485 Optional
Monitoring System	Optional