

## ROSA Series G1

Single Phase  
Hybrid Inverter



Multiple Layers of Protections



Easy and Simple Installation



Super-Light Design



Outstanding System Efficiency



### ★ Features

- User friendly one-tap APP configuration
- Smarter energy use and applicable in all scenarios
- Double-guaranteed security through Edge-cloud synergy
- Deep machine learning makes us your family energy COO

# ROSA Series G1

## Single Phase Hybrid Inverter

PV Input						
Maximum input power	4500W	5400W	6000W	6900W	7500W	9000W
Maximum input voltage	550 Vdc[max] / 400Vdc[rated] / 150Vdc[min] / 100Vdc[start]					
MPPT operating voltage range	100 ~ 540 Vdc (250 ~ 450 Vdc)					
Maximum input current	15A/15A					
Number of MPPT routes	2					
On-Grid Output						
Output power grid	Single phase (L+N+PE)					
Rated output power	3000 W	3600 W	4000 W	4600 W	5000 W	6000 W
Rated output voltage(frequency)	230 Vac / 50 / 60 Hz					
Maximum output current	16 A	16 A	22 A	22 A	22 A	27 A
Maximum input current	32 A	32 A	43 A	43 A	43 A	43 A
Current harmonic (@rated power)	≤ 3%					
Off-Grid Output						
Rated output power	3000 W	3600 W	4000 W	4600 W	5000 W	5000 W
Peak output power	4500W, 10s	5400W, 10s	6000W, 10s	6900W, 10s	7500W, 10s	7500W, 10s
Rated output voltage	230 Vac (208 / 220 / 240 Vac settable)					
Maximum output current	16 A	16 A	22 A	22 A	22 A	22 A
Linear load waveform distortion	≤3% (linear load)					
Switch time	≤ 20 ms					
Battery Parameter						
Battery type	Lithium battery & lead-acid battery					
Rated voltage	48 Vdc					
Maximum charging /discharge current	66 A	75 A	85 A	100 A	100 A	100 A
Efficiency						
Maximum efficiency	97.8%					
European efficiency	97.5%					
charging & discharging efficiency	94.6%					
Other Parameters						
Communication mode	USB / RS485 (standard), Wi-Fi / GPRS (optional)					
Display	LED					
Certification standard	"IEC 62109-1 & -2, EN/IEC 61000-6-1/3, DIN VDE V 0124-100:2020 VDE-AR-N 4105:2018, UNE 217001,UNE 217002,NTS 631 V2.1 SEPE(type A)RD1699, C10/11, CEI 0-21"					
Degree of protection	IP 65					
Operating temperature	-25~60°C (>45°C derating)					
Cooling mode	Natural cooling					
Installation mode	Wall mounted					
Altitude	≤3000 m (> 3000 m derating)					
Noise	≤ 25 dB					
Dimensions (W×H×D)	506×480×200mm					
Weight	22 kg (Estimated)					