

Hybrid Inverter | Single Phase | Low Voltage

3/4/5/6kW



PRODUCT FEATURES



Support 184–276V AC Voltage Range, Support 45–65Hz Frequency



120–200% Overload



6 Units in Parallel (Off-grid Mode)



Smart Fan, Ultra Silence Fan Running since 50% Rated Power Output



<10ms On/Off-grid Switchover



IP65 Smaller Size



- 150–200% PV Input Power
- 18A PV Current, 3 MPPTs



- 200–400% Grid Input Power
- 54A Grid Input Current



- 200% Generator Input
- Power Executive Generator
- Port Smart Monitoring

Model Name	3 kW	4 kW	5 kW	6 kW
Off-grid Output				
Rated Output Power	3000W	4000W	5000W	6000W
Peak Power & Duration	6000W (10s)			
Rated Voltage	220V/230V/240V			
Rated Frequency	50/60Hz			
Rated Output Current	13.6A	18.2A	22.7A	27.2A
Output THDu	<2%			
Generator Input Current	54A			
On-grid Parameter				
Rated Output Power	3000W	4000W	5000W	6000W
Max. Output Current	13.6A	18.2A	22.7A	27.2A
Max. Input Current from Grid	54A			
Rated Grid Voltage	220V/ 230V/ 240V			
Grid Voltage Range	184-276V			
Frequency Range	45-65Hz			
PV Input				
Max. Input Power	6000Wp	8000Wp	9000Wp	9000Wp
Starting Voltage	95V			
Max. Input Voltage	500V			
MPPT Voltage Range	80-500V			
Number of MPPT	2			
Max. Input String per MPPT	1			
Rated Input Voltage	360V			
Max. Input Current	18A / 18A			
Short-Circuit Current	22A / 22A			
Battery Parameter				
Battery Type	Lithium-ion / Lead-Acid (optional)			
Rated Battery Voltage	51.2V			
Battery Voltage Range	30-60V			
Max. Charging Voltage	≤60V			
Battery Charging/Discharging Current	125A			
Efficiency				
Max. Efficiency	97.5%	97.6%	97.6%	97.6%
European Efficiency	97.2%	97.2%	97.2%	97.2%
Max. Battery Charging/Discharging Efficiency	94%			
General Data				
Size (W×H×D), Weight, Noise	325mm × 480mm × 188.5mm, 21kg, <45dB			
Operating Temperature	-25°C ~ +60°C (>45°C Derating)			
Operating Altitude	4000m (>3000m Derating)			
Cooling Method	Intelligent Air Cooling			
Ingress Protection	IP65			
Monitoring	LCD / APP / WIFI / Bluetooth / 4G / LAN			
Communication Port	RS485 / CAN / DO / Parallel port			
Protection	DC Switch; AC Overvoltage; AC Overcurrent + Short Circuit + Anti-islanding Protection; Residual Current Monitoring; Surge Protection Level II; Reverse Polarity Protection (PV & Battery); Lightning Protection			
Certification				
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1			
CE-EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920			