

Residential Off-grid Inverter



Rove 6.0/12.0kW (Parallel)

- Can be paralleled
- Built-in solar charger
- Wide MPPT range 60-500V
- Complete CE certificate
- Detachable dust cover
- Support lithium/lead-acid battery
- Lithium battery activation
- WiFi monitoring



Model	Rove 6.0kW	Rove 12kW
AC Input		
Rated Input Voltage (VAC)	208/220/230/240, L+N+PE	220/230/240, L+N+PE
Voltage Range (VAC)	90-280±3(APP/GEN mode), 170-264±3(UPS mode)	
Frequency (Hz)	50/60(Auto adaptive)	
AC Output		
Rated Power (kW)	PV Inverter Output Battery inverter Output	6.4 6
		12 10
Peak Power (kVA)	12	24
Voltage (VAC)	208/220/230/240 ±5%	220/230/240 ±5%
Power Factor (PF)	1	
Frequency (Hz)	50/60±0.1%	
Switch Time (ms)	10 (APP/UPS mode); 20 (GEN mode)	
Wave Form	Pure sine wave	
Overload Capacity (Battery Mode)	1min@102%-120% load; 10s@120%-200% load	1min@102%-125% load; 10s@125%-200% load
Max. Efficiency (Battery Mode)	94%@48VDC	
Parallel Quantity	9	6
Charger (PV/AC)		
Solar Charger Type	MPPT	
Max PV Input Current/Input Power	27A/9000W	Using One MPPT: 27A/9KW Using Two MPPTs: 22.5A/Per MPPT, 15KW/Total
MPPT Range@Operating Voltage (VDC)	60-450	60-450
Max PV Open Circuit Voltage (VDC)	500	
Max. Charge Current (PV/AC)(A)	120	160
Battery		
Rated Voltage (VDC)	48	
Floating Charge Voltage (VDC)	54	
Overcharge Protection (VDC)	61	
Battery Type	Lithium or Lead-acid	
Interface		
HMI	LCD	
Interface Module	RS485/RS232/CAN	
Monitoring	WiFi (Optional)	
General Data		
Ingress Protection	IP21	
Operating Temperature (°C)	-10~60	
Relative Humidity	20%~95%(Non-condensing)	
Storage Temperature (°C)	-15~60	
Net Weight (kg)	8.2	15
Dimensions (W*D*H)(mm)	330*110*402.5	431.7*121.5*503.6
Max Operating Altitude (m)	4000 (Derating above 1000)	

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