

Residential Off-grid Inverter



Rove 3.6/6.0/12.0KW

- 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 3.6KW		Rove 6.0KW	Rove 12.0KW
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	3.6 3.6	6 6	12 10
Peak Power (kVA)	7.2		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%-110% load; 10s@110%-200% load;	1min@102%~120% load; 10s@120%~200% load	1min@102%~125% load; 10s@125%~200% load	
Max. Efficiency (Battery Mode)	92.7%@24VDC	94%@48VDC	94%@48VDC	
Charger (PV/AC)				
Solar Charger Type	MPPT			
Max PV Input Current/Input Power	18A/5000W	27A/9000W	Using One MPPT: 27A/9KW Using Two MPPTs: 22.5A/Per, MPPT, 15KW/Total	
MPPT Range@Operating Voltage (VDC)	40-450	60-450	60-450	
Max PV Open Circuit Voltage (VDC)	500			
Max. Charge Current (PV/AC)(A)	100	120	160	
Battery				
Rated Voltage (VDC)	24	48	48	
Floating Charge Voltage (VDC)	27	54	54	
Overcharge Protection (VDC)	30.5	61	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)	5.8	7.6	15	
Dimensions (W*D*H)(mm)	284*95*432.5	330*110*402.5	420*120*503.6	
Max Operating Altitude (m)	4000 (Derating above 1000)			

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