

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)	3.6	6	12
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)	60s@102%-110% load; 10s@110%-130% load; 3s@130%-150% load; 0.2s@>150% load	1min@102%~120% load; 10s@>120% load	1min@102%~125%Load 10s@>125%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	8.2	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)		

Shenzhen Ruidian Green Energy Technology Co.,Ltd

Office Address: A801 Building 3A, Cloud Park, Bantian, Longgang District, Shenzhen
 Factory Address: No.3, East Hua'nán Road, Dongjiang Hi-Tech Industrial Park, Huizhou

4008-036-037
 www.absenenergy.com

