

Single-Phase Hybrid Inverter

3.6-6.2kW(Off grid)

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Pure sine wave solar inverter
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Wide range input of photovoltaic voltage
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The inverter can operate without a battery
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Built in dust-proof kit, suitable for harsh environments
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Built in lithium battery automatic activation
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Intelligent charging design, optimizing battery life
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Dual output circuit
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Restore factory settings with one click



Product Model	MIC-3.6KW	MIC-4.2KW	MIC-6.2KW
Recommended Max. PV Power	6200W	6200W	6200W
Rated Output Power	3800W/3800VA	4200W/4200VA	6200W/6200VA
Max. Solar Charging Current	120A		
Photovoltaic Parameters			
Nominal Voltage/Maximum Voltage	360V/500V		
Start-up Voltage/initial Feeding Voltage	90V/120V		
MPPT Voltage Range	90V-450V		
MPPT Tracks The Number Of input Channels/Maximum input Current	1/18A	1/18A	1/22A
AC Output Data			
Rated Output Voltage/Frequency	120V 50Hz	220/230/240VAC 50/60Hz	
Rated Output Current	30A	18.2A	27.0A
Voltage Range /Frequency	90-280VAC or170-280VAC 50/60Hz		
Max. Input Current	30A	30A	40A
Efficiency			
Max. Efficiency (Solar to AC)	98%		
Two Loads Output Data			
Full Load	3600W	4200W	6200W
Max. Main Load	3600W	4200W	6200W
Max. Second Load(Battery Mode)	1400W	1400W	2067W
AC Output Data (Battery Mode)			
Rated Output Voltage	120V 50Hz	220/230/240VAC 50/60Hz	
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	94%		
Battery Data			
Rated Battery Voltage	24VDC	24VDC	48VDC
Max. Solar Charging Current	120A		
Max. AC Charging Current	100A		
General Data			
Dimension D*W*H (mm)	423*334*110		
Weight (Kgs)	8.5	8.5	10
Communications	RS232/RS485/WIFI/GPRS		
Operating Ambient Temperature	-10-50℃		