



MI Series Off-grid Single-phase Inverter

## Applications

- Application in wind, Solar, Wind&Solar hybrid power generation station.
- Application in household wind&solar hybrid power generation system.
- Power supply for those unmanned regions like the coastal islands, remote mountainous regions and border posts.

## Features

- Can be applied in wind, solar, wind&solar hybrid power generation system.
- Simple structure, complete function
- Low no-load loss by using industrial frequency transformer
- CE certification

## Technical Parameters

Model	GI20-48	GI20-120	<b>GI30-48</b>	GI50-240
<b>DC Input Parameters</b>				
Rated battery voltage	48Vdc	120Vdc	48Vdc	240Vdc
Input overvoltage point	68Vdc	170Vdc	68Vdc	340Vdc
Input overvoltage recovery point	66Vdc	165Vdc	66Vdc	330Vdc
Input undervoltage point	43.2Vdc	108Vdc	43.2Vdc	216Vdc
Input undervoltage recovery point	48Vdc	120Vdc	48Vdc	240Vdc
<b>AC Output Parameters</b>				
Output phase number	Single phase			
Rated output power	2KVA	2KVA	3KVA	5KVA
Rated output voltage	110/120/220/230/240Vac			
Rated output frequency	50/60±0.5HZ			
THDi	<5%			
<b>Efficiency</b>				
Max. conversion efficiency	≥85%			
<b>Protection Functions</b>				
DC input overvoltage/undervoltage protection	YES			
DC reversed connection protection	YES			
AC output overload protection	YES			
AC short circuit protection	YES			
Surge protection	YES			
Over-temperature protection	YES			
<b>General Parameters</b>				
Display mode	LCD			
Display information	Battery voltage, inverter voltage, inverter current, inverter power, and			

	working status of battery overvoltage/.undervoltage and AC output overload/short circuit.			
Isolation mode	Industrial frequency isolation			
No-load current	≤0.6A	≤0.3A	≤0.6A	≤0.5A
Ambient temperature	-20°C~+40°C			
Humidity	5%~95%, No condensing			
Noise	<60dB			
Cooling mode	Natural cooling			
Cover protection class	IP20			
Product dimension (W*H*D)	235*352*400mm			320×525×560mm
Product net weight	20kg	30kg	47.5kg	
<b>Note: the listed specs are just for your reference</b>				