



SI 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
- Complete protection and alarm functions
- Comply with the CE certification

Technical Parameters

Model	WI03-12	WI03-24	WI05-24	WI10-24	WI10-48
DC Input Parameters					
Rated battery voltage	12Vdc	24Vdc	24Vdc	24Vdc	48Vdc
Input overvoltage point	17Vdc	34Vdc	34Vdc	34Vdc	68Vdc
Input overvoltage recovery point	16.5Vdc	33Vdc	33Vdc	33Vdc	66Vdc
Input undervoltage point	10.8Vdc	21.6Vdc	21.6Vdc	21.6Vdc	43.2Vdc
Input undervoltage recovery point	12Vdc	24Vdc	24Vdc	24Vdc	48Vdc
AC Output Parameters					
Output phase number	Single phase				
Rated output power	300VA	300VA	500VA	1KVA	1KVA
Rated output voltage	110/120/220/230/240Vac				
Rated output frequency	50/60±0.5HZ				
THDi	<4%				
Efficiency					
Max. conversion efficiency	≥85%				
Protection Functions					
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				
General Parameters					
Display mode	LCD				
Display information	Battery voltage, AC output voltage, and working status of battery overvoltage/undervoltage and AC output overload/short circuit.				
Isolation mode	Industrial frequency isolation				

No-load current	≤1.3A	≤0.5A	≤0.5A	≤0.8A	≤0.4A
Environment 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)	160×200×400mm				
Product net weight	8kg	8kg	9kg	12kg	12kg
Note: the listed specs are just for your reference					