

BIS Series

Industrial Frequency

Working Method

IGBT Inverting

Power Capacity

300W ~ 30KW



Brief Introduction

The BIS Series inverters is our basic series inverters, which apply IGBT technology to ensure the stable and power supply for the loads, also with best cost performance.

Function Features

- **Reliability and long life**
Stable IGBT Model to provide reliable and long life power to the load devices

- **Intelligent and friendly**
Microprocessor control to make the inverter intelligent
Touch LCD Screen to make the operation of this inverter very friendly

Efficiency
Inverter has very low self power consume and high transform efficiency.

- **Protection**
Multiple protection for the batteries to lengthen life span
Overcurrent and shortage protection and ensure the safety of the load devices

- **Robust**
Can support very heavy loads, including inductive loads.
last 1 minutes with 120% power loads
Last 10 seconds with 150% power loads

- **Adaptable**
Can adapt with multiple power resources, use city grid or generator as complementary power resources.

Application

Can provide non-stop power supply for:
Home use to power the house, apartment, Vella, etc.
Commercial use as bar, hotel, market, shopping center, computer center, telecommunication station, etc.
Public facility as hospital, school, town hall, police station, bank, etc.



Technical Data Sheet

Model	300W ~ 30KW																
	300W	500W	1KW	1.5KW	2KW	3KW	5KW	7KW	10KW	12KW	15KW	18KW	20KW	25KW	30KW		
Rated Power	300W	500W	1KW	1.5KW	2KW	3KW	5KW	7KW	10KW	12KW	15KW	18KW	20KW	25KW	30KW		
AC Input																	
Input Voltage	110/120/220/230/240V ± 25%																
Input Frequency	50/60Hz ± 5%																
Input Power Resource	From Grid, Generator or other power resource																
DC Input																	
Battery Adaptable	Lead Acid or Lithium batteries																
Rated DC Voltage	12/24/48V					48/96/192V					192V/240/384V						
Autonomy Time	Subject to batteries																
Battery Protection	Overvoltage and undervoltage protection, shortage protection, 4 stages charging																
AC Output																	
Output Voltage	Single Phase 110/120/220/230/240V																
Output Frequency	50/60Hz ± 1% (inversion tense)																
Output Wave	Pure Sine Wave																
Wave Distort THD	Linear loads≤2.5%, non-linear load≤3%(full load tense)																
Overload Capacity	Last 10 minutes with 125% loads, last 20 seconds with 150% loads																
Crest Rate	5:1																
Environments and Others																	
Transfer Time	Bypass to Inverting or inverting to Bypass, ≤20ms																
Ingress Protect	IP20																
Conversion Efficiency	≥90%(inverting with full loads); ≥97%(ECO mode)																
Noise	≤50DB @ 1m					52DB @ 1m					55DB @ 1m						
Work Temperature	-25℃ TO 55℃																
Humidity	0→93%RH, non-condensing																
Altitude	≤2000 meters																
Size and Weight																	
Dimension	146*350*160mm					260*620*620mm					410*752*941mm						
Net Weight	4-10.5KG					38-62KG					86-180KG						
Package																	
Gross Weight																	

- Inverter weight may vary slightly

- The technical data may change without notice

- More external battery can be connected in parallel

- Customized inverters are available