

EnrSaver New Energy Technology Co., Ltd

Specialist in Energy Management

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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

ble and long life power to the load devices

Intelligent and friendly

Touch LCD Screen to make the operation of this inverter very friendly

EfficiencyInverter 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 safty of the load devices

Can support very heavy loads, including inductive loads.

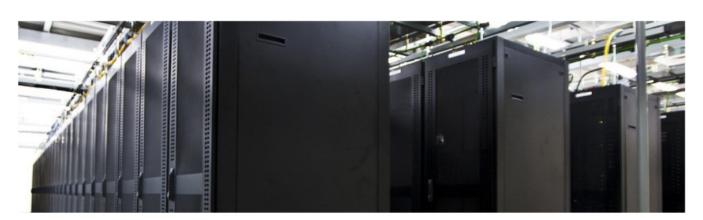
last 1 minutes with 120% power loads

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, appartment, 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 2K	W 3KW 5KW 7KW 10KW	12KW 15KW 18KW 20KW 25KW 30KW
Rated Power	300W 500W 1KW 1.5KW 2K	W 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 lutput	
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 extenal battery can be connected in parallel
- Customized inverters are avaliable