BIT Series
Industrial Frequency

Working Method
IGBT Inverting

Power Capacity
5KW ~ 250KW

Brief Introduction

The BIT Series inverters is our basic series 3 phase 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 safty 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, 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.

EnrSaver New Energy Technology Co., Ltd Specialist in Energy Management

Technical Data Sheet

Model		5KW ~ 250KW									
		BIT5KW	BIT10KW	BIT15KW	BIT20KW	BIT30KW	BIT60KW	BIT100KW	BIT150KW	BIT200KW	BIT250KW
Rated Power		5KW	10KW	15KW	20KW	30KW	60KW	100KW	150KW	200KW	250KW
AC Input											
Input Voltage		380V ± 20% (3 phase) , phase voltage 220V									
Input Frequency		45 - 65Hz									
Input Power Resource		From Grid, Generator or other power resource									
Bypass	Voltage Range	15% - 25%									
	Transfer Time	10ms									
Battery Input											
Battery Adaptable		Lead Acid or Lithium batteries									
Rated DC Voltage		96V	192V		240V/384V		384V				
Max Charge Current		10A - 100A adjustable									
AC Output											
Output voltage		3 Phase 384V/400V/415V Optional									
Output Frequency		50/60Hz ± 0.5%									
Output Wave		Pure Sine Wave									
Wave Distort THD		Linear loads≤3%,non-linear load≤5%									
Overload Capacity		Last 10 minutes with 110% loads, last 1 minute with 120% loads									
Environments and Others											
Ingress Protect		Ip20									
Conversion Efficiency		≥95%(inverting with full loads)									
Noise		⩽60DB @ 1m									
Work Temperature		-25 ~ 55									
Humidity		0→93%RH, non-condensing									
Altitude		≤2000 meters									
Size and Weight											
Dimension(mm)		800*600*1500					1000*800*1800				
Net Weight(kg)		265	305	345	390	410	600	780	1100	1220	2100
Gross Weight(kg)		310	350	390	435	455	665	845	1165	1285	2200

- Inverter weight may vary slightly
- The technical data may change without notice
- More extenal battery can be connected in parallel
- Customized inverters are avaliable