

# ABOUT US

DATOU BOSS®

Mingde Times (Shenzhen) Green Energy Technology Group Co., Ltd. was founded in the core CBD of Guangming District, Shenzhen, Guangdong Hong Kong Macao Greater Bay Area, China. It is a Singapore listed enterprise high-tech park and gathers more than ten leading enterprises in the field of high-tech new energy industry in China. It vertically integrates the entire industry chain of domestic photovoltaics, energy storage, inverters, mobile power supplies, electric vehicle charging equipment, whole house smart appliances, and new energy vehicle supporting appliances. It is one of the first providers in China to promote the overall solution of "new energy self use+local microgrid+whole house smart appliances+green transportation+zero carbon life" for the new energy vertical industry chain. It is a high-tech core technology enterprise based on independent research and development, independent production, independent operation, and independent sales.

Mingde Times Group has four secondary subsidiaries, including Mingde Times (Shenzhen) Energy Storage Technology Group, Mingde Times (Shenzhen) Smart Energy Group, Mingde Times (Shenzhen) Intelligent Manufacturing Group, and Mingde Times (Shenzhen) Industrial Development Group. It has 13 tertiary subsidiaries that independently operate various business segments of Mingde Times. The product line covers: photovoltaic power generation system products, wind solar complementary power generation system products, lithium battery energy storage system products, inverter power supply series products, photovoltaic energy storage and inverter integration series products, photovoltaic energy storage charging pile (photovoltaic storage and charging integration) series products, whole house intelligent home electrical series products, new energy vehicle (including electric motorcycle) charging pile series products, electric vehicle charging station SaaS operation management system platform services, and overall planning services for new energy smart energy systems.

As a core technology source enterprise in the new energy vertical industry chain, the company has complete capabilities in the development, structural design, electrical system design, intelligent software development, commercial operation system technology development, product production, and service of new energy, power electronics, and intelligent electrical hardware and software products. Mingde Times Group is committed to becoming a high-quality supply side for high-end equipment in the global new energy industry chain, and a leading provider of overall solutions for the new energy vertical industry chain. We provide high-quality products, intelligent technology, reliable systems, and dedicated services to global users.



Quality Assurance



Safe and Reliable



Delivery Service



On-line Service



Hassle-Free  
After-Sales Support



## 2017-2018

Started hardware processing, Annual output value of 1.6 million yuan. Obtained 3 patents for baking lamps.

## 2019-2020

Access to paint lamps, Inverter power supply patents 9, foreign patents 6, product certification of 8 certificates.

## 2021-2022

The annual output value has tripled to 1000W Declared and authorized 5 patents for baking lamp inverter power supply, 6 foreign patents, 6 product certifications, won the National High-tech Enterprise.  
In 2021, Purchased 2000 square feet of office area by itself.

## 2023

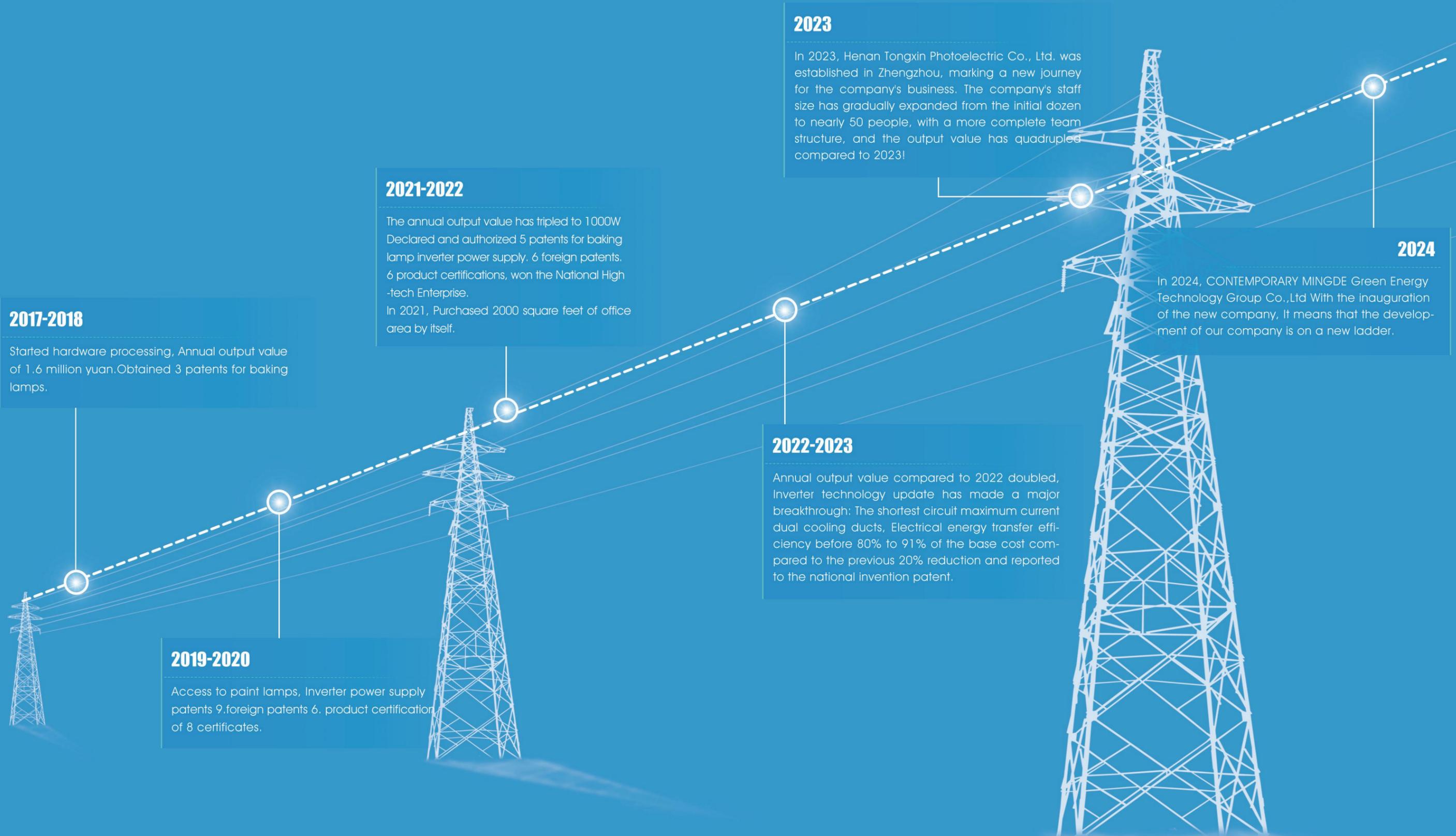
In 2023, Henan Tongxin Photoelectric Co., Ltd. was established in Zhengzhou, marking a new journey for the company's business. The company's staff size has gradually expanded from the initial dozen to nearly 50 people, with a more complete team structure, and the output value has quadrupled compared to 2023!

## 2022-2023

Annual output value compared to 2022 doubled, Inverter technology update has made a major breakthrough: The shortest circuit maximum current dual cooling ducts, Electrical energy transfer efficiency before 80% to 91% of the base cost compared to the previous 20% reduction and reported to the national invention patent.

## 2024

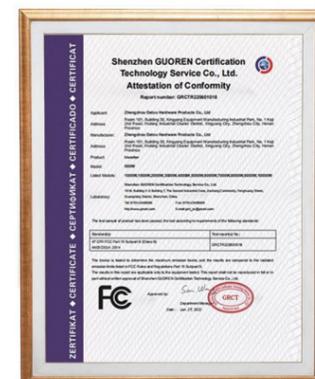
In 2024, CONTEMPORARY MINGDE Green Energy Technology Group Co., Ltd With the inauguration of the new company, It means that the development of our company is on a new ladder.



# CERTIFICATIONS



**DATOU BOSS**<sup>®</sup>  
**DATOU BOSS**



# COMPANY CULTURE



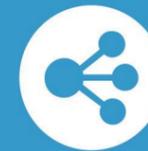
## OUR POSITION

Quality Supply Side, Quality Demand Side



## OUR VISION

Create Globalized Products To Keep The World Powered Up.



## OUR SPIRIT

Efficiency, Pragmatism, Persistence And Self-improvement.



## OUR CORE VALUE

Customer-oriented, Teamwork, Innovation, Honesty And Integrity.

DATOU BOSS is a leading provider in the inverter and energy storage domain, Dedicated to delivering high-quality products and services worldwide.

# CONTENTS



**Pure Sine Wave Inverter**



**Lead-Acid Battery Lithium Battery**



**Home Energy Storage All-in-one Machine**



# PURE SINE WAVE INVERTER

Suitable for cell phone, Camera, Laptop, Small refrigerators and other devices,  
Overload protection is safer. Portable and easy to store, RV camping power  
supply at any time, Make outdoor electricity as convenient as at home.



RV



Boat



Camping



House



# DUAL PV INPUTS

MEET THE HIGH CURRENT CHARGING



## MODEL: DT2430

**DATOU BOSS**®

### SPECIFICATION

AC Input Voltage	AC Input	220/230/240V,50/60Hz
	Input Voltage Range	90-280VAC±3V(Normal Mode)170-280VAC±3V(UPS Mode)
	Rated Power	3000W
Output Voltage	DC Output	3000W
	Out Voltage	220/230/240VAC±5%,50/60Hz
	Output wave	Pure Sine Wave
	Transfer Time	≤10ms(UPS)/≤20ms(INV)
	Peak Power	6000VA
	Overload Ability	Battery Mode:11s@105%~150%Load 2s@150%~200%Load 400ms@>200%Load
Battery	Rated Voltage	24Vdc
	Constant Charging	28.2Vdc
Charger	PV Charging Mode	MPPT
	Max PV Input Power	3000W
	MPPT Input Voltage Range	30-500Vdc
	Max PV Input Current	13A
	Max Charging Current	100A
Display	LCD Interface	Display operating mode/load/input/output
Interface	RS232	Baud Rate 2400
	Expansion Slot Communication interface	Lithium Battery BMS Communication Card, WIFI /Pitch2.54mm
	Parallel Interface	Not Support Parallel
Ambient Temperature	Ork Altitude	No more than 1000m,If <1000m, Rate power will lower,MAX 4000m,Refer to IEC62040
	Storage Temperature	20%~90%,Non Condensing
	Noise	≤50dB

## SOLAR INVERTER ALL-IN-ONE MACHINE



Over Voltage Protection



Low Voltage Protection



Short Circuit Protection



Overload Protection



Overheat Protection

# 6200W OFF Grid

OR GRID-CONNECTED INVERTER



Lightning  
Protection



PV8500W  
PV-AC6500W/DC-AC6200W



## SOLAR INVERTER ALL-IN-ONE MACHINE



Over Voltage  
Protection



Low Voltage  
Protection



Short Circuit  
Protection



Overload  
Protection



Overheat  
Protection

## MODEL: DT4862L

DATOU BOSS®

### SPECIFICATION

AC Input Voltage	AC Input	220/230/240V,50/60Hz
	Input Voltage Range	90-280VAC±3V(Normal Mode)170-280VAC±3V(UPS Mode)
	Rated Power	6200W
Output Voltage	DC Output	6500W
	Output Voltage	220/230/240VAC±5%,50/60Hz
	Output wave	Pure Sine Wave
	Transfer Time	≤10ms(UPS)/≤20ms(INV)
	Peak Power	12400VA
	Overload Ability	Battery Mode:11s@105%~150%Load 2s@150%~200%Load 400ms@>200%Load

Charger	Rated Voltage	48Vdc
	Constant Charging	56.4Vdc
	PV Charging Mode	MPPT
Charger	Max PV Input Power	8500W
	MPPT Input Voltage Range	90-500Vdc
	Max PV Input Current	27A
	Max Charging Current	120A
Grid-connected Operation	Output Voltage	220/230/240VAC
	Rated Output Current	34.7A
	Peak Efficiency (DC/AC)	98%

Display	LC D Interface	Display operating mode/load/input/output
Interface	RS232	Baud Rate 2400
	Expansion Slot Communication interface	Lithium Battery BMS Communication Card, WIFI /Pitch2.54mm
	Parallel Interface	Support Parallel
Ambient Temperature	Ork Altitude	No more than 1000m,If <1000m, Rate power will lower,MAX 4000m,Refer to IEC62040
	Storage Temperature	20%~90%,Non Condensing
	Noise	≤50dB

# DUAL PV INPUTS

MEET THE HIGH CURRENT CHARGING



## SOLAR INVERTER ALL-IN-ONE MACHINE



Over Voltage Protection



Low Voltage Protection



Short Circuit Protection



Overload Protection



Overheat Protection

## MODEL: DT4811B

DATOU BOSS®

### SPECIFICATION

AC Input Voltage	AC Input	220/230/240V,50/60Hz
	Input Voltage Range	90-280VAC±3V(Normal Mode)170-280VAC±3V(UPS Mode)
	Rated Power	11000W
Output Voltage	DC Output	12000W
	Out Voltage	220/230/240VAC±5%,50/60Hz
	Output wave	Pure Sine Wave
	Transfer Time	≤10ms(UPS)/≤20ms(INV)
	Peak Power	22000VA
	Overload Ability	Battery Mode:11s@105%~150%Load 2s@150%~200%Load 400ms@>200%Load

Battery	Rated Voltage	48Vdc
	Constant Charging	56.4Vdc
Charger	PV Charging Mode	2*MPPT
	Max PV Input Power	2*7500W
	MPPT Input Voltage Range	90-500Vdc
	Max PV Input Current	27A/27A
Grid-connected Operation	Max Charging Current	150A
	Output Voltage	220/230/240VAC
	Rated Output Current	47.8A
	Peak Efficiency (DC/AC)	98%

Display	LC D Interface	Display operating mode/load/input/output
Interface	RS232	Baud Rate 2400
	Expansion Slot Communication interface	Lithium Battery BMS Communication Card, WIFI /Pitch2.54mm
	Parallel Interface	Support Parallel
Ambient Temperature	Ork Altitude	No more than 1000m,If <1000m, Rate power will lower,MAX 4000m,Refer to IEC62040
	Storage Temperature	20%~90%,Non Condensing
	Noise	≤50dB

# 12V/24V AUTO

MONITOR THE USAGE IN REAL TIME



## PURE SINE WAVE INVERTER DUAL VOLTAGE INPUT



Over Voltage Protection



Low Voltage Protection



Short Circuit Protection



Overload Protection



Overheat Protection

## SPECIFICATION

DATOU BOSS®

MODEL		TY-PSW-E2000		TY-PSW-4000		TY-PSW-6000	
							
		12V	24V	12V	24V	12V	24V
Output Voltage	Rated Power	2000W	2000W	1200W	2300W	1500W	3000W
	Peak Power	4000W	4000W	2000W	4000W	3000W	6000W
	Output Voltage	110V/220V/230V/240V					
	Output Voltage Accuracy	±10V					
		Conversion Efficiency ≥90%					
Enter	Voltage Range	10-15.7V	20-31.5V	10-15.7V	20-31.5V	10-15.8V	20-21.7V
	Loss	<10W	<20W	<5W	<10W	<10W	<20W
	USB	Type-C, USB5V2.1A					

Protection Function	Low Pressure Alarm	10.5V	21V	10.5V	21V	10.5V	21V
	Low Voltage Protection	10V	20V	10V	20V	10V	20V
	High Voltage Protection	16V	32V	15.7V	31.5V	15.8V	31.5V
	Overload Protection	≥2200W	≥2200W	≥1200W	≥2300W	≥1600W	≥3200W
	Low Voltage Automatic Recovery	13V	26V	13.5V	27V	12.8V	25.3V
	High Temperature Protection	80°C					
	Short Circuit Protection	Yes					
LCD Display	Input Voltage, Output Voltage, Power, Quantity, Frequency, Waveform, Alarm Mark						
Work Environment	Temperature	-5°C-40°C					
	Humidity	≤90%					



# PURE SINE WAVE INVERTER



-   
 Over Voltage Protection
-   
 Low Voltage Protection
-   
 Short Circuit Protection
-   
 Overload Protection
-   
 Overheat Protection

## SPECIFICATION

DATOU BOSS®

MODEL		PSW-E2000W	PSW-E3000W	PSW-E3500W
				
Output Voltage	Rated Power	2000W	3000W	3500W
	Peak Power	4000W	6000W	7000W
	Output Voltage	110V/220V/230V		
	Output Voltage Accuracy	±5V		
	Conversion Efficiency	≥90%		
Input Voltage	Voltage Range	12Vdc(10-16)	12Vdc(10-16)	24Vdc(20-32)
	No-load Current	0.9A	2.3A	2.3A
	Loss	≤10W	≤15W	≤10W
	USB	Type-C, USB5V2.1A		
Protection Function	Low Voltage Protection	10.5V	10.5V	21V
	High Voltage Protection	10V	10V	20V
	Overload Protection	16V	16V	32V
	Low Voltage Automatic Recovery	2200W	3000W	3500W
	High Temperature Protection	12.5V	30V	26V
	Short Circuit Protection	80°C		
		Yes		
Fault Alarm	Buzzer	Yes		
LCD Display	Input Voltage, Output Voltage, Power, Quantity, Frequency, Waveform, Alarm Mark			
Work Environment	Temperature	-5°C-40°C		
	Humidity	≤90%		

# 48V/60V/72V

VOLTAGE CAN BE CHANGED MANUALLY



## PURE SINE WAVE INVERTER TRIPLE VOLTAGE INPUT



Over Voltage Protection



Low Voltage Protection



Short Circuit Protection



Overload Protection



Overheat Protection

## MODEL: TY-SL-3000

DATOU BOSS®

### SPECIFICATION

	Work Mode	48V Mode	60V Mode	72V Mode
Output Voltage	Rated Power	1500W	1500W	1500W
	Peak Power	3000W	3000W	3000W
	Output Voltage	220V/230V/240 (Adjustable)		
Input Voltage	Deviation	±5V		
	Conversion Efficiency	≥90%		
	Input Voltage Range	42-60V	52.5-80V	63-96V
	No-load Current	0.24A	0.24A	0.24A
	Attrition	< 15W	< 20W	< 20W
	USB	USB-C,USB5V2.1A		

Protection Function	Low Voltage Protection	48V	52.5V	63V
	High Voltage Protection	64V	80V	96V
	Overload Protection	1600W	1600W	1600W
	Low Voltage Recovery	51V	64.5V	77.5V
	High Temperature Protection	80°C		
	Short Circuit Protection	Yes		
	Input Reversed	Yes		
Fault Alarm	Buzzer	Yes		
LCD	Input voltage, Output voltage, Power, Electric quantity, Frequency, Waveform, Alarm indication			
Working Environment	Temperature	-5°C~40°C		
	Humidity	≤90%		

# 48V/60V/72V

VOLTAGE CAN BE CHANGED MANUALLY



## PURE SINE WAVE INVERTER TRIPLE VOLTAGE INPUT



Over Voltage Protection



Low Voltage Protection



Short Circuit Protection



Overload Protection



Overheat Protection

## MODEL: TY-SL-6000

DATOU BOSS®

### SPECIFICATION

	Work Mode	48V Mode	60V Mode	72V Mode
Output Voltage	Rated Power	3000W	3000W	3000W
	Peak Power	6000W	6000W	6000W
	Output Voltage	220V/230V/240 (Adjustable)		
Input Voltage	Deviation	±5V		
	Conversion Efficiency	≥90%		
	Input Voltage Range	42-60V	52.5-80V	63-96V
	No-load Current	0.24A	0.24A	0.24A
	Attrition	<15W	<20W	<20W
	USB	USB-C,USB5V2.1A		

Protection Function	Low Voltage Protection	48V	52.5V	63V
	High Voltage Protection	64V	80V	96V
	Overload Protection	3200W	3200W	3200W
	Low Voltage Recovery	51V	64.5V	77.5V
	High Temperature Protection	80°C		
	Short Circuit Protection	Yes		
	Input Reversed	Yes		
Fault Alarm	Buzzer	Yes		
LCD	Input voltage, Output voltage, Power, Electric quantity, Frequency, Waveform, Alarm indication			
Working Environment	Temperature	-5°C~40°C		
	Humidity	≤90%		

# PSW SERIES



## PURE SINE WAVE INVERTER



Over Voltage Protection



Low Voltage Protection



Short Circuit Protection



Overload Protection



Overheat Protection

## SPECIFICATION

**DATOU BOSS**®

MODEL	PSW-1000W	PSW-1500W	PSW-2000W
			
Output Power	1000W	1500W	2000W
Display Method	LCD		
Input Voltage	12V/24V/36V/48V/60V/72Vdc		
Input Range	12Vdc(10-15),24Vdc(20-30),36Vdc(30-45),48Vdc(40-60),60Vdc(50-75),72Vdc(60-90)		
Low Voltage Protection	12V(10.0V±0.3),24V(20V±0.3),36Vdc(30.0V±0.3),48V(40.0V±0.3),60V(50.0V±0.3),72V(60.0V±0.3)		
Overvoltage Protection	12V(15.0V±0.3),24V(30.0V±0.3),36Vdc(45V±0.3),48V(60.0V±0.3),60V(75.0V±0.3),72V(90.0V±0.3)		
Recovery Voltage	12V(13.2V±0.3),24V(25.5V±0.3),36V(38.0V±0.3),48V(51.0V±0.3),60V(65.0V±0.3),72V(78.0V±0.3)		
No-load Current	0.6A	0.6A	0.7A
Overload Protection		≤130%	
Output Voltage	10Vac±10%or 220Vac±10%		
Output Frequency	50Hz±1Hz or 60Hz±1Hz		
Output Waveform	Pure Sine Wave		
Overheating Protection	80°C±5°C		
Waveform THD	≤3%THD		
Conversion Efficiency	0.9		
Cooling Method	Fan Cooling		
Dimensions	300*173*76mm	360*173*76mm	360*173*76mm
Product Weight	3.0Kg	3.5Kg	4.0Kg

# DN-022 SERIES



- Overload Protection
- Full Load Alarm
- Short Circuit Protection
- Overheating Protection
- Overvoltage Protection
- Low Voltage Protection

## PURE SINE WAVE INVERTER



- Over Voltage Protection
- Low Voltage Protection
- Short Circuit Protection
- Overload Protection
- Overheat Protection

## SPECIFICATION

DATOU BOSS®

MODEL:	DN-022							
Output Power	1000W		1200W		1500W		1800W	
Display Method	LCD							
Input Voltage	12V	24V	12V	24V	12V	24V	12V	24V
Input Range	10-15V	20-30V	10-15V	20-30V	10-15V	20-30V	10-15V	20-30V
Low Voltage Protection	10V	20V	10V	20V	10V	20V	10V	20V
High Voltage Protection	15V	30V	15V	30V	15V	30V	15V	30V
No-load Current	1.2A	0.6A	1.1A	0.6A	1.2A	0.5A	1.1A	0.6A
Output Voltage	230V							
Output Frequency	50/60Hz							
Output Waveform	Pure Sine Wave							
High Temperature Protection	80°C±5°C							
Conversion Efficiency	≥90%							
Cooling Method	Intelligent Air-cooled							
Dimensions	310*120*64mm							
Product Weight	1.9Kg				2.3Kg			

# DN-03 SERIES



- Overload Protection
- Full Load Alarm
- Short Circuit Protection
- Overheating Protection
- Overvoltage Protection
- Low Voltage Protection

## PURE SINE WAVE INVERTER



- Over Voltage Protection
- Low Voltage Protection
- Short Circuit Protection
- Overload Protection
- Overheat Protection

## SPECIFICATION

**DATOU BOSS**

MODEL: <b>DN-03-2000W</b>						
Output Voltage	Power Rating	2000W				
	Peak Power	4400W				
	Output Voltage	110V/240V,50Hz/60Hz				
Input Voltage	Voltage Range	10-15V	20-30V	30-45V	34-54V	36-72V
	No-load Current	≤25W				
Protection Function	Input Reversal	Burnt Out Insurance				
	Short Circuit Protection	Yes				
	Overheating Protection	> 85°C				
	Overvoltage Protection	15V±0.3V	30V±0.3	45V±0.3V	60V±0.3V	75V±0.3V
	Low Voltage Protection	10V±0.3V	20V±0.3V	31V±0.3V	40V±0.3±	50V±0.3V

Fault Alarms	Buzzer	Yes				
LCD Display Content	Input Voltage	Output voltage	Frequency	Power	Amount of Electricity	/
LCD Display of Fault Codes	Overpressure (F1)	Low Pressure (F2)	Overheating (F3)	Overload (F4)	Short Circuit (F5)	/
USB Charging	Type-C, QC3.0, 5V2.1A					
Dimensions	(L*W*H)	390*178*93mm				

# YLRX SERIES

UNIVERSAL COMPATIBLE APPLIANCES



-   
Overload Protection
-   
Full Load Alarm
-   
Short Circuit Protection
-   
Overheating Protection
-   
Overvoltage Protection
-   
Low Voltage Protection

## PURE SINE WAVE INVERTER



-   
Over Voltage Protection
-   
Low Voltage Protection
-   
Short Circuit Protection
-   
Overload Protection
-   
Overheat Protection

## SPECIFICATION

**DATOU BOSS**®

Model	1000W	1500W	2000W	2500W	3000W	3500W
Output Power	1000W	1500W	2000W	2500W	3000W	3500W
Display Method	LCD					
Input Voltage	12V/24V/26V/48V60V/72Vdc					
Input Range	12Vdc(10-15),24Vdc(20-30),36Vdc(30-45),48Vdc(40-60),60Vdc(50-75),72Vdc(60-90)					
Low Voltage Protection	12V(10.0V±0.3),24V(20V±0.3),36Vdc(30.0V±0.3),48V(40.0V±0.3),60V(50.0V±0.3),72V(60.0V±0.3)					
Overvoltage Protection	12V(15.0V±0.3),24V(30.0V±0.3),36Vdc(45V±0.3),48V(60.0V±0.3),60V(75.0V±0.3),72V(90.0V±0.3)					
Recovery Voltage	12V(13.2V±0.3),24V(25.5V±0.3),36V(38.0V±0.3),48V(51.0V±0.3),60V(65.0V±0.3),72V(78.0V±0.3)					
No-load Current	0.6A	0.6A	0.7A	0.35A	0.5A	0.5A
Overload Protection	≤130%					
Output Voltage	10Vac±10% or 220Vac±10%					
Output Frequency	50Hz±1Hz or 60Hz±1Hz					
Output Waveform	Pure Sine Wave					
Overheating Protection	80°C±5°C					
Waveform THD	≤3%THD					
Conversion Efficiency	0.9					
Cooling Method	Fan Cooling					
Product Weight	3.0Kg	3.5Kg	4.0Kg	4.0Kg	7.5Kg	5.74Kg
Dimensions	300*173*76 (mm)	360*173*76(mm)			400*242*88 (mm)	460*330*190 (mm)

# SAK SERIES

UNIVERSAL COMPATIBLE APPLIANCES



## PURE SINE WAVE INVERTER



- Over Voltage Protection
- Low Voltage Protection
- Short Circuit Protection
- Overload Protection
- Overheat Protection

## SPECIFICATION

**DATOU BOSS**®

MODEL		12V/24V-110V-1500W	12V/24V-110V-2000W	12V/24V-230V-1500W	12V/24V-230V-2000W
Input Voltage	Rated Input Voltage	12V	24V	12V	24V
	Rated Current	125A	62.5A	167A	83A
	Maximum Efficiency	92%			
	Battery Type	Sealed Lead-acid/Floodedgel Batteries/Lithium Battery			
AC Output Voltage	Rated Type	1500W	1500W	2000W	2000W
	AC Voltage	110V/220V, 50Hz/60Hz			
	Output Waveform	Pure Sine Wave			

Input Voltage		12V	24V
Protection Function	Battery Low Shutdown	10.5V±0.5V	20.0V±0.5V
	Battery High Shutdown	15.5V±0.5V	31.0V±0.5V
	Output Short Circuit Protection	After the fault is eliminated, it can be rebooted	
	Overload Protection	110%≤Load<125%, 1 minute shutdown; 125%≤Load<150%, 30s shutdown; 150%≤Load, shut down immediately;	
	Over-temperature Protection	Heat dissipation temperature>90°C, Over-temperature protection	
Operating Environment	Operating Temperature	0-40°C	
	Humidity	0-80%	
Other	Remote Control Switch Interface	Standard configuration	
	Dimension	325*192*78mm	

## ACCESSORIES



Remote Control  
19.8ft/6M  
Size: 100\*60\*27mm / 3.94\*2.36\*1.06in  
Thickness: 1.5mm/0.625in



**SAK SERIES**  
UNIVERSAL COMPATIBLE APPLIANCES



**PURE SINE WAVE INVERTER**



- Over Voltage Protection
- Low Voltage Protection
- Short Circuit Protection
- Overload Protection
- Overheat Protection

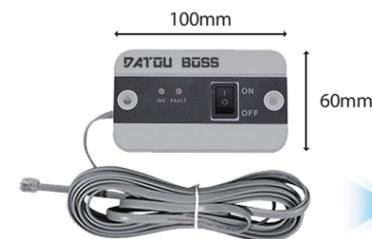
**SPECIFICATION**

**DATOU BOSS®**

	MODEL	SAK-12V-110V-1200W	SAK-12V-110V-1600W	SAK-12V-110V-2200W
Input Voltage	Rated Input Voltage	12V	12V	12V
	Rated Current	100A	133A	183A
	Maximum Efficiency	92%		
	Battery Type	Sealed Lead-acid/Floodedgel Batteries/Lithium Battery		
AC Output Voltage	Rated Type	1200W	1600W	2200W
	AC Voltage	110V, 50Hz/60Hz		
	Output Waveform	Pure Sine Wave		

Protection Function	Battery Low Shutdown	10.5V±0.5V		
	Battery High Shutdown	15.5V±0.5V		
	Output Short Circuit Protection	After the fault is eliminated, it can be rebooted		
	Overload Protection	110%≤Load<125%, 1 minute shutdown; 125%≤Load<150%, 30s shutdown; 150%≤Load, shut down immediately;		
Operating Environment	Over-temperature Protection	Heat dissipation temperature>90°C, Over-temperature protection		
	Operating Temperature	0-40°C		
Other	Humidity	0-80%		
	Remote Control Switch Interface	Standard configuration		
	Dimension	325*192*78mm		

**ACCESSORIES**



**Remote Control**  
19.8ft/6M  
Size: 100\*60\*27mm / 3.94\*2.36\*1.06in  
Thickness: 1.5mm/0.625in



**Battery Cable**  
Cable (2X)

Product Specification

Model No.:	LFP48-300-FSD
Battery Model:	LiFePO4 Battery
Battery Capacity:	16.07kWh
Battery Internal Resistance:	≤10mΩ
Single Cell Capacity:	314Ah
Rated Operating Voltage:	51.2V
Maximum Output Current:	210A
Standard Input Current:	150A( Max 210A)
Overvoltage Protection:	58.4V
Overcharge Protection Recovery:	54.0V
Overdischarge Protection:	43.2V
Overdischarge Protection Recovery:	48V(Adjustable)
Charging High Temperature Protection:	50 C
Charging High Temperature Protection Recovery:	45 C (Adjustable)
Charging Low Temperature Protection:	0 C (Adjustable)
Charging Low Temperature Protection Recovery:	5 C
Charging High Temperature Protection:	50 C
Charging High Temperature Protection Recovery:	45 C
Discharging Low Temperature Protection:	-15 C
Discharging Low Temperature Protection Recovery:	-10 C
Charging Overcurrent:	215A
Discharging Overcurrent Protection:	215A
Short Circuit Protection:	Yes
Power Delivery:	40%-60%
Equalization:	Passive Equilibrium
Self-consumption In Power Failure:	≤300uA
Battery Cycle Life:	25 C   ≥8000 Cycles, 70%SOH 45 C   ≥3000 Cycles, 70%SOH
Communication Protocol:	RS232、RS485、CAN
Dimensions:	453*260*879mm
Weight:	110Kg

# LFP48-300-FSD

Intelligent Control



**LiFePO4 BATTERY**



**SPECIFICATION**

Model	 12V100Ah	 12V200Ah	 12V300Ah	 24V100Ah	 48V100Ah
Capacity	1280Wh	2560Wh	3840Wh	2560Wh	5120Wh
Charging Voltage	14.4±0.2V	14.4±0.2V	14.4±0.2V	28.2±0.4V	57.6±0.8V
Charge Current	Max 50A	Max 100A	Max 100A	Max 50A	Max 50A
Rated Discharge Current	100A	200A	200A	100A	100A
Maximum Discharge Current	120A	240A	240A	120A	120A

Charging Temperature	32°F~113°F / 0°C~45°C
Discharge Temperature	14°F~140°F / -10°C~60°C
Low Temperature Protection	Charging:14°F~32°F / -5°C±5°C   Discharging:-13°F~5°F / -20°C±5°C
High Temperature Protection	Charging:140°F~158°F / 65°C±5°C   Discharging:158°F~176°F / 75°C±5°C
Storage Temperature Range	-4°F~113°F / -20°C~45°C (Store for 1-3 Months)   -4°F~68°F / -20°C~20°C (Store for 1 year)
Discharge Depth	≥80%
Series And Parallel Connection	4P4S
Battery Management	BMS
Shell Material	ABS
Terminal Material	Brass
Terminal Conductivity	≥98%

# HOME ENERGY STORAGE ALL-IN-ONE MACHINE

Combination Of 48V11KWh Hybrid Inverter  
And 51.2V314Ah Battery

Demension: 580x580x643mm Weight: 200Kg



## MODEL: JC-1116

DATOU BOSS®

### SPECIFICATION

Product Model	JC-1116		
Battery Type	LiFePO4 Battery 314Ah		
Battery Capacity	16.07KWh		
Nominal Voltage	51.2V		
Battery Cycle Life	25°C: 8000 cycles, 70%SOH	45°C: 3000 cycles, 70%SOH	
PV Charging Mode:	MPPT	Max PV Input Current:	18A/18A
PV Input Power Max.:	2*5500W	Charging Current Max.:	150A
MPPT Tracking Range:	90-500Vdc	Input Format:	L+N+PE
Optimum Voltage:	300~400Vdc	Rated Input Voltage:	220/230/240VAC
Max PV Input Voltage:	500Vdc	Voltage Range:	90-280VAC 3V(Normal Mode) 170-280VAC 3V(UPS Mode)
Output Rated Power:	Battery Inverter: 11000W PV Inverter: 11000W		
Output Voltage:	220/230/240VAC±5%		
Switching Time (Settable):	Computer equipment 10ms, Household appliances 20ms		
Peak Power:	22000VA		
Overload Capacity:	Battery Mode:11s@105%~150%Load; 2s@150%~200%Load; 400ms@>200%Load		
Storage Temperature:	-15°C~60°C		
Altitude:	Altitude should not exceed 1000m, Derated above 1000m, Up to 4000m, Refer to IEC62040.		
Noise Level:	<50db		

# HOME ENERGY

## STORAGE ALL-IN-ONE MACHINE

Capacity: 32.15KWh  
Voltage: 51.2V



Support  
Load



Program  
Control



Support  
Load



### MODEL: JC-1132

**DATOU BOSS**<sup>®</sup>

#### SPECIFICATION

Product Model	JC-1132	
Battery Type	LiFePO4 Battery 628Ah	
Battery Capacity	32.15KWh	
Nominal Voltage	51.2V	
Battery Cycle Life	25°C: 8000 cycles, 70%SOH	45°C: 3000 cycles, 70%SOH

PV Charging Mode:	MPPT	Max PV Input Current:	18A/18A
PV Input Power Max.:	2*5500W	Charging Current Max.:	150A
MPPT Tracking Range:	90-500Vdc	Input Format:	L+N+PE
Optimum Voltage:	300~400Vdc	Rated Input Voltage:	220/230/240VAC
Max PV Input Voltage:	500Vdc	Voltage Range:	90-280VAC 3V(Normal Mode) 170-280VAC 3V(UPS Mode)

Output Rated Power:	Battery Inverter: 11000W PV Inverter: 11000W		
Output Voltage:	220/230/240VAC±5%		
Switching Time (Settable):	Computer equipment 10ms, Household appliances 20ms		
Peak Power:	22000VA		
Overload Capacity:	Battery Mode:11s@105%~150%Load; 2s@150%~200%Load; 400ms@>200%Load		
Storage Temperature:	-15°C~60°C		
Altitude:	Altitude should not exceed 1000m, Derated above 1000m, Up to 4000m, Refer to IEC62040.		
Noise Level:	<50db		

# HOME ENERGY STORAGE ALL-IN-ONE MACHINE

Combination Of 48V6200W Hybrid Inverter  
And 51.2V314Ah Battery

Dimension: 550x541x638mm Weight: 100Kg



**MODEL: JC-6216**

**DATOU BOSS®**

## SPECIFICATION

Product Model	JC-6216	
Battery Type	LiFePO4 Battery 314Ah	
Battery Capacity	16.07KWh	
Nominal Voltage	51.2V	
Battery Cycle Life	25°C: 8000 cycles, 70%SOH	45°C: 3000 cycles, 70%SOH

PV Charging Mode:	MPPT	Max PV Input Current:	27A
PV Input Power Max.:	8500W	Charging Current Max.:	120A
MPPT Tracking Range:	60-500Vdc	Input Format:	L+N+PE
Optimum Voltage:	300~400Vdc	Rated Input Voltage:	220/230/240VAC
Max PV Input Voltage:	500Vdc	Voltage Range:	90-280VAC 3V(Normal Mode) 170-280VAC 3V(UPS Mode)

Output Rated Power:	Battery Inverter: 6200W PV Inverter: 6500W	
Output Voltage:	220/230/240VAC±5%	
Switching Time (Settable):	Computer equipment 10ms, Household appliances 20ms	
Peak Power:	12400VA	
Overload Capacity:	Battery Mode:11s@105%~150%Load; 2s@150%~200%Load; 400ms@>200%Load	
Storage Temperature:	-15°C~60°C	
Altitude:	Altitude should not exceed 1000m, Derated above 1000m, Up to 4000m, Refer to IEC62040.	
Noise Level:	<50db	

# HOME ENERGY STORAGE ALL-IN-ONE MACHINE

Combination Of 48V6200W Hybrid Inverter  
And 51.2V628Ah Battery



**Integrated**  
Design



**Emergency**  
Power Supply



**Intelligent**  
Management



Dimension: 550x541x928mm Weight: 200Kg

**MODEL: JC-6232**

**DATOU BOSS®**

## SPECIFICATION

Product Model	JC-6232	
Battery Type	LiFePO4 Battery 600Ah	
Battery Capacity	32.15KWh	
Nominal Voltage	51.2V	
Battery Cycle Life	25°C: 8000 cycles, 70%SOH	45°C: 3000 cycles, 70%SOH

PV Charging Mode:	MPPT	Max PV Input Current:	27A
PV Input Power Max.:	8500W	Charging Current Max.:	120A
MPPT Tracking Range:	60-500Vdc	Input Format:	L+N+PE
Optimum Voltage:	300~400Vdc	Rated Input Voltage:	220/230/240VAC
Max PV Input Voltage:	500Vdc	Voltage Range:	90-280VAC 3V(Normal Mode) 170-280VAC 3V(UPS Mode)

Output Rated Power:	Battery Inverter: 6200W PV Inverter: 6500W
Output Voltage:	220/230/240VAC±5%
Switching Time (Settable):	Computer equipment 10ms, Household appliances 20ms
Peak Power:	12400VA
Overload Capacity:	Battery Mode:11s@105%~150%Load; 2s@150%~200%Load; 400ms@>200%Load
Storage Temperature:	-15°C~60°C
Altitude:	Altitude should not exceed 1000m,Derated above 1000m, Up to 4000m, Refer to IEC62040.
Noise Level:	<50db

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Production and sales of Off-grid inverters, LiFePO4 battery, Inverter all-in-one machine, Home energy storage all-in-one machine, etc.

## Product Catalog

# 2025



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