

## Product Catalog

# NEW ENERGY

OEM&ODM

One-stop Solution



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# About TURSAN

Established in 2020, TURSAN New Energy (Guangdong) Co., Ltd. is committed to being a provider and manufacturer of battery packs, home energy storage, industrial energy storage, portable power stations, Inverters and energy storage peripheral series solutions. We are a high-tech enterprise integrating production and sales. Together with BYD, we make our products more trustworthy by following the whole-vehicle-level quality requirements taking user experience as our responsibility, we strive to become an international brand with unlimited creativity.

## Lightning Fast Delivery

If you don't need additional designs, just the finished product we have the inventory to support fast delivery.

## OEM & ODM Available

Whether you want to have your logo engraved on the product or want to design it differently we can help you.

## Start With Low MOQ

If you want to wholesale Portable Power Station, we support a minimum order quantity of 100 PCS for the first order.



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# Portable Power Station

## Sheet-metal Series




### Basic Parameters

	 YC300	 YC600	 YC1100	 YC3600
Power	300W (Peak 600W)	600W (Peak 1200W)	1000W (Peak 2000W)	3600W (Peak 7200W)
Capacity	327.68Wh	655.36Wh	1228.8Wh	3932.16Wh
Battery	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity
AC Output	2 outlets, 300W Max	2 outlets, 600W Max	2 outlets, 1000W Max	3 outlets, 3600W Max
Other Output Ports	4	5	9	9
AC Input	/	450W Max	800W Max	1500W Max
MPPT Input	/	/	200W Max	1500W Max
DC Input	90W Max	/	/	/
Light	/	3W	3W	3W
Feature	Compact and portable, AC pure sine wave	Compact and portable, AC bi-directional fast charging	AC bi-directional fast charging, 3 charging methods, 11 output ports	800W Grid Connection Power, Three-phase power, Expandable capacity
Operating Temperature	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C
Dimensions	Product: 275×135×154 mm Packing box: 305×182×206 mm	Product: 325×215×185 mm Packing box: 360×230×265 mm	Product: 329×237×308 mm Packing box: 367×282×327 mm	Product: 481×360×421 mm Crate: 532×411×568 mm
Weight	N.W: 3.95 kg G.W: 5.05 kg	N.W: 6.3 kg G.W: 7.8 kg	N.W: 14.2 kg G.W: 15.95 kg	N.W: 39.7 kg G.W: 49 kg



Basic Parameters

	YC300	YC600	YC1100	YC3600
 Light (4W)	≈ 36.4hrs	≈ 72.8hrs	≈ 102.4hrs	≈ 245.7hrs
 iPhone (20W) Type-c	≈ 14.2hrs	≈ 28.4hrs	≈ 53.4hrs	≈ 170.9hrs
 Camera (28W)	≈ 10.5hrs	≈ 21.1hrs	≈ 39.6hrs	≈ 126.8hrs
 Drone (40W)	≈ 7.2hrs	≈ 14.5hrs	≈ 25.6hrs	≈ 75.6hrs
 Laptop (56W)	≈ 5.5hrs	≈ 11.1hrs	≈ 20.8hrs	≈ 66.6hrs
 Refrigerator (65W)	≈ 4.8hrs	≈ 9.6hrs	≈ 18.0hrs	≈ 57.8hrs
 Ventilator (80W)	≈ 3.8hrs	≈ 7.7hrs	≈ 13.9hrs	≈ 42.7hrs
 Rice Cooker (100w)	≈ 3.1hrs	≈ 6.2hrs	≈ 11.3hrs	≈ 35.1hrs
 Juice Extractor (250W)	≈ 1.2hrs	≈ 2.5hrs	≈ 4.7hrs	≈ 15.0hrs




**Lightweight Design**

Small size, easy carry and go.

**BYD LiFePO4 Battery**

4000 cycles, more than 10 years of durability, high temperature resistance and Safety.





**Flexible Charging**

AC/USB-A/USB-C/DC 4 different output ports, can power multiple devices at the same time. Basic to meet the needs of small power appliances.

**3 Years Warranty  
+  
2 Years Extended Warranty**





# Portable Power Station YC1100

It maintains the continuity of power supply and ensures that they enjoy convenience and comfort in their lives.



# Portable Power Station YC3600

No more being tied down by weight, electricity is free and easy to use.







# Portable Power Station Plastic Series





# Basic Parameters

				
	YC300S	YC600S	YC1200	YC2400
Power	300W (Peak 600W)	600W (Peak 1200W)	1200W (Peak 2400W)	3600W (Peak 4800W)
Capacity	327.68Wh	655.36Wh	1310.72Wh	2621.44Wh
Battery	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity	BYD LiFePO4 4000 Cycles to 70% capacity
AC Output	1 outlet, 300W Max	1 outlet, 600W Max	2 outlets, 1200W Max	3 outlets, 2400W Max
Other Output Ports	7	7	7	9
AC Input	/	500W Max	900W Max	1500W Max
MPPT Input	100 Max	150W Max	150W Max	1500W Max
DC Input	60W Max	/	/	/
Light	3W	3W	3W	3W
Feature	PD100W bi-directional charging, PD+DC maximum charging 200W	AC bi-directional fast charging, Type-c 100W, Dual lighting	15W Wireless Charging, Bluetooth, FM, Microphone	800W Grid Connection Power, Three-phase power, Expandable capacity
Operating Temperature	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C	-15°C ~ 45°C
Dimensions	Product: 256×135×153 mm Packing box: 310×186×255 mm	Product: 297×256×182 mm Packing box: 344×234×316 mm	Product: 350×250×254 mm Packing box: 442×338×345 mm	Product: 514×258×376 mm Packing box: 630×352×536 mm
Weight	N.W: 3.95 kg G.W: 5.05 kg	N.W: 7.75 kg G.W: 9.25 kg	N.W: 12.7 kg G.W: 14.58 kg	N.W: 26.5 kg G.W: 29.85 kg

# Usage Time

				
	YC300S	YC600S	YC1200	YC2400
 Light (4W)	≈ 36.4hrs	≈ 72.8hrs	≈ 109.2hrs	≈ 163.8hrs
 iPhone (20W) Type-c	≈ 14.2hrs	≈ 28.4hrs	≈ 56.9hrs	≈ 113.9hrs
 Camera (28W)	≈ 10.5hrs	≈ 21.1hrs	≈ 42.2hrs	≈ 84.5hrs
 Drone (40W)	≈ 7.2hrs	≈ 14.5hrs	≈ 27.3hrs	≈ 50.4hrs
 Laptop (56W)	≈ 5.5hrs	≈ 11.1hrs	≈ 22.2hrs	≈ 44.4hrs
 Refrigerator (65W)	≈ 4.8hrs	≈ 9.6hrs	≈ 19.2hrs	≈ 38.5hrs
 Ventilator (80W)	≈ 3.8hrs	≈ 7.7hrs	≈ 14.8hrs	≈ 28.4hrs
 Rice Cooker (100w)	≈ 3.1hrs	≈ 6.2hrs	≈ 12.1hrs	≈ 23.4hrs
 Juice Extractor (250W)	≈ 1.2hrs	≈ 2.5hrs	≈ 5.0hrs	≈ 10.0hrs



# Portable Power Station YC300S

The YC300S keeps your site powered up even when you're on an outdoor camping adventure.



# Portable Power Station YC1200

YC1200 is compact, powerful, and packed with all the features you need to meet your demands!



# Portable Power Station YC600S

YC600S LiFePO4 battery technology delivers remarkable capacity and lightweight portability for RV living and tiny houses.





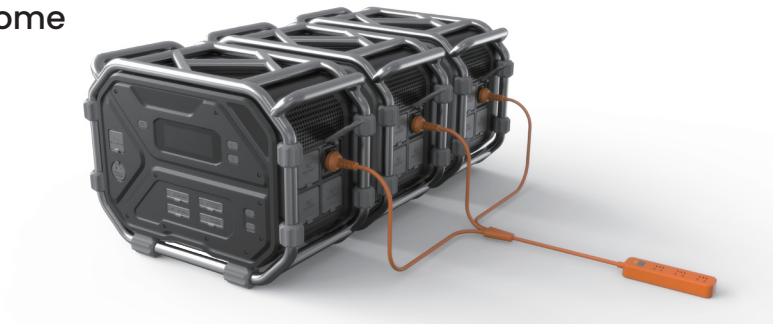
# Portable Power Station YC2400

YC2400 Built-in 800W micro inverter system can be connected to the grid, realizing the freedom of electricity while earning more profit for you.



## How To Get 3 Phase Power At Home

Three YC2400s or three YC3600 in parallel to form a 3-phase power supply (supports up to 6 parallel machines)



## 6PCS Expansion



From  
**2621Wh to 15726Wh**  
Capacity



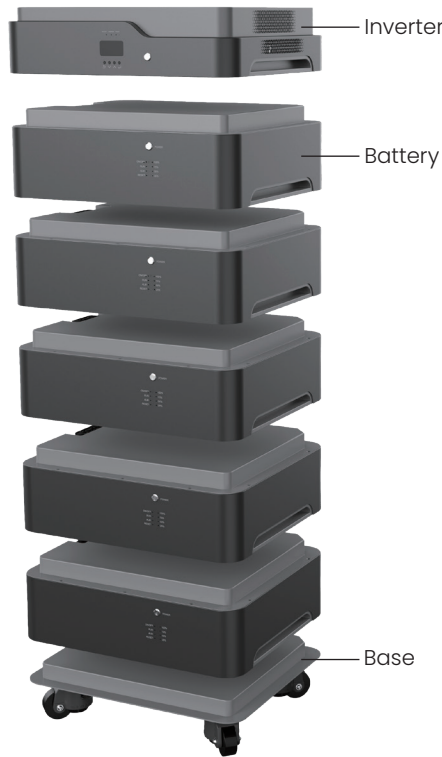
From  
**2400W to 14400W**  
Power





# Stackable Home Energy Storage

## JC-DD-5.22kWh&5kW



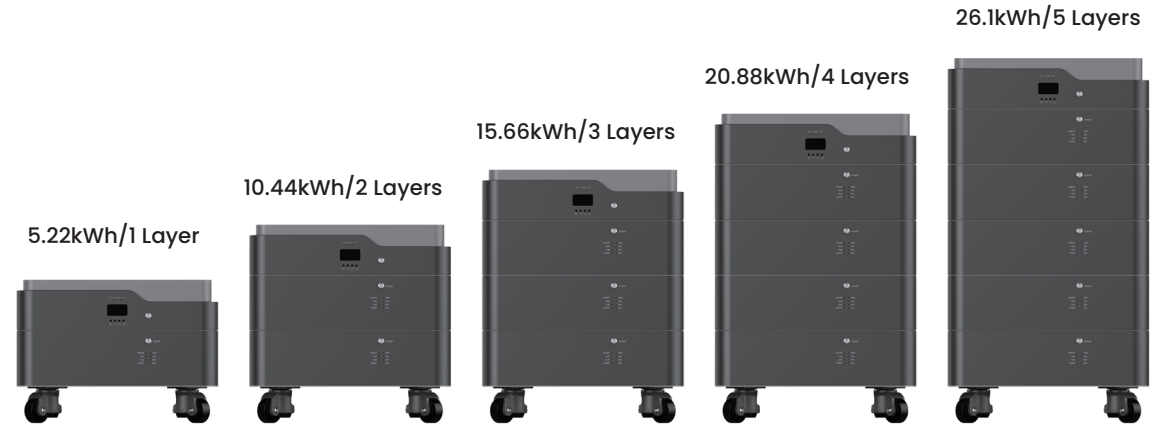
<b>Battery</b>	
Battery Capacity	5.22kWh
Rated Voltage	51.2V
Battery	BYD LiFePO4, 25°C, ≥6000cycles@70%EOL
Charge/Discharge Current	100A
Dimensions	600×430×150 mm
Weight	46.9 kg

<b>Inverter</b>	
Rated AC Output Power	5kW
AC Output Voltage	110V/ 220V (Optional)
AC Output Frequency	60Hz/ 50Hz (Optional)
AC Rated Input Voltage	110V/ 220V (Optional)
AC Input Power	3000W
Grid Type	Off-grid/ On-grid
Display	LCD
Communication	USB, RS485
Operating Temperature	-10°C ~ 60°C
Dimensions	600×430×204 mm
Weight	16.4 kg

<b>Base</b>	
Dimensions	600×430×152 mm
Weight	9.3 kg

### Free Expansion

Flexible capacity configuration, 5.22kWh-26.1kWh optional capacity. The capacity is scaled up to meet the needs of families also at any time.





# All-in-one Home Energy Storage



## JC-YT-5.22kWh&5kW



Battery	
Battery Capacity	5.22kWh
Rated Voltage	51.2V
Battery	BYD LiFePO4, 25°C, ≥6000cycles@70%EOL
Charge/Discharge Current	100A
Inverter	
Rated AC Output Power	5kW
AC Output Voltage	230V/ 220V (Optional)
AC Output Frequency	60Hz/ 50Hz (Optional)
AC Rated Input Voltage	230V/ 220V (Optional)
AC Input Power	4000W
Grid Type	Off-grid
Display	LCD
Communication	USB, RS485
Operating Temperature	-10°C ~ 60°C
Whole	
Dimensions	600×430×426 mm
Weight	57.3 kg



# Inverter

Off-grid Inverter

Hybrid Inverter





# Off-grid Inverter



JC-AC-1.2kW



JC-AC-2.9kW



JC-AC-3.6kW

Rated Output Power	1.2KVA/1.2kW	2.9KVA/2.9kW	2.9KVA/3.6kW
Nominal DC Input Voltage	12Vdc	24Vdc	24Vdc
Input Voltage Waveform	Sinusoidal (utility or generator)		
Input Nominal Voltage	230Vac		
Input Nominal Frequency	230Vac		
Efficiency (Line Mode)	>95% (Rated R load, battery full charged)		
Product Lifespan	5+ years		
Pass Through Without Battery	Yes		
Input Voltage Range	Normal mode 90-280Vac, UPS mode 170-280Vac		
Max. Charge Current	60A	60A	80A
Over Charge Protection	Yes		
PV Voltage Working Range	15-125Vdc	40-500Vdc	40-500Vdc
MPPT Operating Range	20-100Vdc	40-450Vdc	40-450Vdc
Max. Input Power	1.2kW	2.9kW	3.6kW
Max. Solar Charging Current	60A	100A	100A
Max. input Current	14A	14A	18A
Min. Startup Voltage	11.5Vdc	21Vdc	21Vdc
Nominal Output Voltage	220Vac±5%		
Nominal Output Frequency	50+0.3Hz/60Hz+0.3Hz(Adjustable)		
Parallel Capability	NO		
Peak Efficiency	> 93%		
Over-Load Protection	5.5s@>150%oad; 10.5s@105%~150%load		
Operating Temperature	-10°C ~ 60°C		
Dimensions	350.8×250×102.8 mm	448×300×103 mm	448×300×103 mm
Weight	3.8 kg	7 kg	7 kg



JC-AC-5.5kW



JC-AC-10kW

Rated Output Power	5.5KVA/5.5kW	5.5KVA/10kW
Nominal DC Input Voltage	48Vdc	48Vdc
Input Voltage Waveform	Sinusoidal (utility or generator)	
Input Nominal Voltage	230Vac	
Input Nominal Frequency	230Vac	
Efficiency (Line Mode)	>95% (Rated R load, battery full charged)	
Product Lifespan	5+ years	
Pass Through Without Battery	Yes	
Input Voltage Range	Normal mode 90-280Vac, UPS mode 170-280Vac	
Max. Charge Current	80A	150A
Over Charge Protection	Yes	
PV Voltage Working Range	120-500Vdc	
MPPT Operating Range	120-450Vdc	
Max. Input Power	6.0kw	12.0kW
Max. Solar Charging Current	100A	80A
Max. Input Current	18A	16A×2
Min. Startup Voltage	46Vdc	
Nominal Output Voltage	220Vac+5%	
Nominal Output Frequency	50+0.3Hz/60Hz+0.3Hz(Adjustable)	
Parallel Capability	Yes, up to 9 units	NO
Peak Efficiency	>93%	
Over-Load Protection	5.5s@>150%load; 10.5s@105%~150%load	
Operating Temperature	-10°C ~ 60°C	
Dimensions	480×305×118 mm	521.8×392×140 mm
Weight	9.25 kg	16.35 kg



# Hybrid Inverter



	JC-HY-AC-5.6kW	JC-HY-AC-10kW	JC-HY-AC-12kW
Rated Output Power	5.6kVA/5.6kW	10kVA/10kW	12kVA/12kW
Battery Voltage Range	40-60Vdc	40-62Vdc	40-62Vdc
Max. Charging And Discharging Powe	5.6kW	10kW	12kW
Battery Type	Li/Lead-acid	Li/Lead-acid	Li/Lead-acid
Product Lifespan	5+ years		
Max. Recommended PV Power	6kW	14.5kW	16kW
Max. PV Voltage	500Vdc	1000Vdc	
Start-UP Voltage	120Vdc	320/350Vdc	
PV Voltage Range	120-450Vdc	320V-1000Vdc	
MPPT Voltage Range	120-450Vdc	350V-850Vdc	
Max. Input Current	22A	2/A:26A,B:13A	2/A:26A,B:26A
Input Voltage Range	220/230Vac	170Vac-290Vac Per phase	
Rated Grid Frequency	50/60Hz		
Max. Charging Current	60A	220A	250A
Max. Output Current	22A	14.5A per phase	17.4A per phase
Rated AC Output Voltage	230Vac	230Vac(P-N)/ 400Vac(P-P)	230Vac(P-N)/ 400Vac(P-P)
Rated AC Output Frequency	50Hz+0.3Hz/60Hz+0.3Hz		
Max. Energy Efficiency	93%		
MPPT Efficiency	97%		
Protection Degree	IP20		
Communication	485	RS485, CAN	RS485, CAN
Operating Temperature	-10°C ~ 60°C		
Dimensions	480×305×118 mm	521.8×392×140 mm	552.1×410×150 mm
Weight	10.1 kg	17.1 kg	21.25 kg

# Efficient and Energy-Saving

The TURSAN series of single-phase hybrid microinverters supports simultaneous input from PV, battery, grid and load. It has various application modes, such as grid-connected self-power and backup power. It supports multiple parallel connections for various applications in home energy storage.

With advanced MPPT technology, the efficiency is up to 99.9%. High conversion efficiency and fast startup. Provides power saving mode to minimize no-load loss.





# Solar Battery Pack

Home Backup Battery 24V

Home Backup Battery 48V





# Solar Battery Pack

TURSAN batteries are designed for a wide range of solar applications. Whether for domestic, commercial or industrial use, these batteries are ideal for off-grid solar systems, backup power or grid-connected applications. Its compact design and efficient energy output make it suitable for a variety of energy storage needs.



-  Support 6 pcs in parallel
-  BMS Built-in BMS protection
-  5 years warranty
-  High quality LiFePO4 battery
-  Can be wall or floor mounted
-  ≥6000 times

## Basic Parameters



**TSA-LFP24-100-WMD**  
25.6V 102Ah  
2.61kWh Battery Pack  
528×366×200 mm  
26.4 kg



**TSA-LFP24-200-WMD**  
25.6V 204Ah  
5.22kWh Battery Pack  
600×420×200 mm  
44.05 kg



**TSA-LFP24-300-WMD**  
25.6V 300Ah  
7.68kWh Battery Pack  
610×400×240 mm  
62.5 kg

TESTS & CERTIFICATIONS

CE RoHS FC    

## Basic Parameters



**TSA-LFP48-100-WMD**  
51.2V 102Ah  
5.22kWh Battery Pack  
600×420×200 mm  
43.9 kg



**TSA-LFP48-200-WMD**  
51.2V 204Ah  
10.44kWh Battery Pack  
851×510×200 mm  
89.34 kg



**TSA-LFP48-300-WMD**  
51.2V 300Ah  
15.36kWh Battery Pack  
825×445×250 mm  
113 kg



**TSA-LFP48-350-FSD**  
51.2V 350Ah  
17.92kWh Battery Pack  
521×430×895 mm  
138 kg



**TSA-LFP48-560-FSD**  
51.2V 560Ah  
28.67kWh Battery Pack  
520×450×1045 mm  
220 kg

TESTS & CERTIFICATIONS

CE RoHS FC    



# Lead to Lithium Battery

Plastic Series  
Wall-mounted Series





# Basic Parameters



	TSA-12V102A	TSA-12V204Ah	TSA-12V306Ah
Rated Capacity	1.30kWh	2.61kWh	3.91kWh
Battery	BYD LiFePO4, 25°C, ≥6000 cycles @70%EOL		
Nominal Capacity	102Ah	204Ah	306Ah
Nominal Voltage	12.8V		
Communication Mode	Bluetooth		
Operating Temperature	-10°C ~ 60°C		
Dimensions	255×165×210 mm	480×165×240 mm	510×200×210 mm
Weight	9.94 kg	19.49 kg	29.25 kg

# Basic Parameters



	TSA-LFP12-100WMD	TSA-LFP12-200WMD	TSA-LFP12-300WMD
Rated Capacity	1.30kWh	2.61kWh	3.91kWh
Battery	BYD LiFePO4, 25°C, ≥6000 cycles @70%EOL		
Nominal Capacity	102Ah	204Ah	306Ah
Nominal Voltage	12.8V		
Screen Type	HFD Screen		
Communication Mode	Bluetooth, RS485		
Operating Temperature	-10°C ~ 60°C		
Dimensions	315×190×155 mm	315×350×155 mm	420×350×155 mm
Weight	11.3 kg	21.65 kg	31.25 kg

# Plastic Series

TURSAN lithium batteries have high energy output with multiple capacity options, providing plenty of power for your camping life.



# LiFePO4 APP



On the “App Store” detail page, you will see a “Get” or “Download” button. Click on it and you may be asked to enter your Apple ID password or use Face ID/Touch ID for authentication.





# Wall-Mounted Lead To Lithium Batteries

Smart App Energy Control, With a fast and stable Bluetooth connection, access key information about your Battery.

