

TOPBAND

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CONTENTS

01		About Us
02		History
04-16		Residential ESS
17-20		Portable Power Station
21-22		Portable Solar Panel
23-26		Deep Cycle LiFePO ₄ Battery
27-28		LiFePO ₄ Battery For Golf Carts

ABOUT US

Shenzhen Topband Battery Co., Ltd. founded in 2006, is a wholly-owned subsidiary of Shenzhen Topband Co., LTD. (002139. SZ). With independently developed cells and BMS, our products are widely used in energy storage systems and small power fields, and we are committed to become a world-class and reliable supplier of lithium electric products.



Huizhou



Taixing



Nantong



HISTORY

2022

Initiated Nantong's 5 billion investment to expand production scale. Residential energy storage series obtained UL9540A certification, portable energy storage series was released.

2021

Launched YOLANESS sub-brand to empower residential energy storage series and portable energy storage series.

2020

Developed the second generation of home energy storage products, which are diversified and iterative, safe and reliable.

2015

RV electric power supply has sold 100,000 sets, and are exported to many countries worldwide.

2006

Shenzhen Topband Battery Co., Ltd. was established.

Portable Power Station

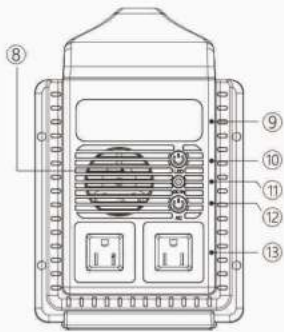
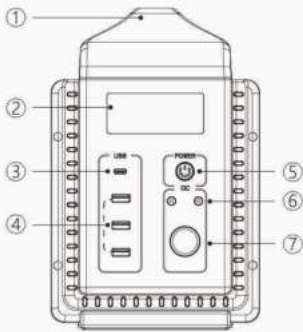
YOLANESS Portable Power Station is fashionable and convenient to carry. It can support power supply for many home appliances for emergency situation and can also meet the electricity demand of various outdoor operations and automobile tour.

- 
Rice Cooker
- 
Hair Dryer
- 
UAV
- 
Laptops
- 
Lamp
- 
Electric Drill
- 
Refrigerator
- 
Phones
- 
Induction Cooker



Parameters

Items	Powout-500	Powout-600
Nominal capacity	560Wh	560Wh
Nominal power	500W, peak 800W	600W, peak 1200W
Cell type	NCM	LiFePO ₄
AC Output	(US/JP) AC 100-120V/500W (EU/CN) AC 220-240V/500W ^(x2)	(US/JP) AC 100-120V/600W (EU/CN) AC 220-240V/600W ^(x2)
1*USB-C Output	65W max.	100W max.
3*USB-A Output	18W max.	18W max.
1*Car Socket & 2*DC5521 Output	13.6V/8A	13.6V/10A
Mains charge (120W Adapter)	6 hours	6 hours
Type-C Charge	10 hours	7 hours
Dual Charge	4 hours	3.5 hours
Photovoltaic charge	Support	Support
Working temperature	0~45°C (32~113°F)	0~45°C (32~113°F)
Dimension (W*H*D)	288*155*240mm (11.3*6.1*9.4 inch)	288*155*240mm (11.3*6.1*9.4 inch)
Weight	6.5kg (14.3lb)	7.5kg (16.5lb)
Color	Blue, customized color	Orange, customized color
Certification	CE, FCC, RoHS, PSE, UL, UN38.3	CE, FCC, RoHS, PSE, UL, UN38.3



- ① Handle

② LCD Display

③ Type-C (PD65W)

④ QC3.0 (18W)

⑤ Main Power Switch

⑥ DC Output

⑦ Car Socket
- ⑧ Fan Outlet

⑨ LED lighting

⑩ LED on/off switch

⑪ AC/DC charging

⑫ AC Output switch

⑬ AC Socket



Applications

- Emergency relief
- Car traveling
- Outdoor camping
- Household devices and appliances
- Aerial photography

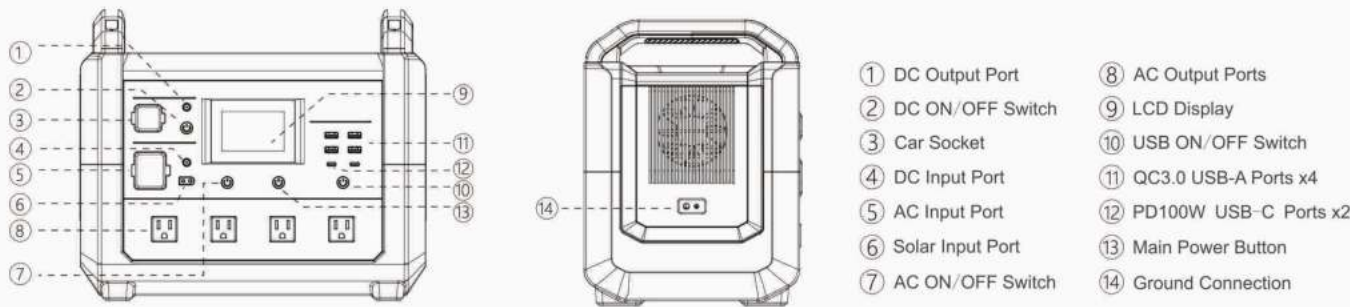
Product Feature

- ABS flame retardant housing, high impact resistant.
- HD LED Display, clear state of electricity.
- Pure sine wave inverter, and no damage to the appliances.
- 1.5kW high power, can power equipment up to 1.5kW.
- 3 output types to power up to 12 devices simultaneously.
- 1485Wh for long-lasting battery life.
- 3 flexible charging ways.
- UL authoritative certification battery cell, to ensure the safety of electricity.



Parameters

Items	Powout-1500
Nominal capacity	1485Wh
Nominal power	1500W, peak 2000W
Cell type	LiFePO ₄
AC Output	(US/JP) AC 100-120V/1500W (EU/CN) AC 220-240V/1500W ^(x4)
2*USB-C Output	PD100W max.
4*USB-A Output	18W max.
1*Car Socket output & 1*DC5521 output	13.6V/8A
AC Direct charge	3 hours
MPPT Photovoltaic charge	7 hours
XT60 charge port	12-30V/10A, Max. 300W (XT60) By Solar Panel
Working temperature	0~45°C (32~113°F)
Dimension (W*H*D)	370*311.5*235mm (14.5*12.2*9.2 inch)
Weight	~16kg (35.2lb)
Color	Black, customized color
Certification	CE, FCC, RoHS, PSE, UL, UN38.3





Portable Solar Panel

Parameters

Items	TB280W_SP_23V
Open circuit Voltage (Voc)	Theory data: 27.4 V ±5%
Short circuit Current (Isc)	Theory data: 12.6A
Max. power Voltage(Vm)	Theory data: 23.5V ±5%
Max. power Current(I _m)	Theory data: 11.8 A
Max. power	280W±5%
Fill factor (FF)	>72.5%
Transformation efficiency (EFF)	≥22.5%
Warranty	Pm is not less than 90% in 1 years
Temperature coefficient of ISO (I _m)	+ 0.10%/°C (3.5±0.01%) mA/k
No. of cells of connections	80=4x5PCSx4
Silicon	Sunpower
Fabric material	Encrypted waterproof cloth
Wire specification	L=2M UL2464 14# XT60
Temperature coefficient of VOC(V _m)	-0.38%/°C (54±10)mV./k)
Temperature coefficient of power	-0.47%.°C ((0.38±0.05)%/K)
NOCT(nominal operating cell temperature)	47°C (±2°C)
Temperature range	-10~65°C
Dimension(unfolded)	663*2349*25mm (26.1*92.4*0.9 inch)
Dimension(folded)	663*616*54mm (24.2*24.2*2.1 inch)
Weight	~9kg (20.5lb)

280W 4 fold portable solar photovoltaic charging board, powerful power generation. There is no shortage of electricity for outdoor travel, and efficient conversion.

Waterproof and dustproof, more durable. The waterproof panel is easy to clean. Dustproof and not afraid of getting dirty.

Sun exposure and high temperature resistance.



Parameters

Items	TB100W_SP_20V
Open circuit Voltage (Voc)	Theory data: 24V (Not less than:22.8V)
Short circuit Current (Isc)	6A,(Not less than :5.7A)
Max. power Voltage(Vm)	Theory data: 20V(Not less than:19.6V)
Max. power Current(I _m)	5A,(Not less than: 4.9A)
Max. power	100W±5%
Fill factor (FF)	>72.5%
Transformation efficiency (EFF)	≥24 %
Warranty	Pm is not less than 90% in 1 years
Temperature coefficient of ISO (I _m)	+ 0.10%/°C (3.5±0.01%) mA/k
No. of cells of connections	36=2x9PCSx2
Silicon	Sunpower
Fabric material	Encrypted waterproof cloth
Wire specification	L=2M UL2464 14# XT60
Temperature coefficient of VOC(V _m)	-0.38%/°C (54±10)mV./k)
Temperature coefficient of power	-0.47%.°C ((0.38±0.05)%/K)
NOCT(nominal operating cell temperature)	47°C (±2°C)
Temperature range	-10~65°C
Dimension(unfolded)	536*1228*25mm (21.1*48.3*0.9 inch)
Dimension(folded)	536*608*38mm (21.1*23.9*1.4 inch)
Weight	~3.6kg (8.3lb)



Lightweight



Foldable



High efficient



Eco-friendly



Durable



Waterproof

Prismatic Cells



Model	Nominal Voltage	Nominal Capacity	Standard Charge Current	Standard Discharge Current	Max. Continuous Discharge Current	Internal Impedance	Weight	Cycle Life (cycles)	Dimension
TB-20Ah-LFP	3.2V	20Ah	10A	20A	60A	≤4.0mΩ	520g±20g	≥5000 (0.5C)	27*70*145mm
TB-25Ah-LFP	3.2V	25Ah	25A	25A	75A	≤4.0mΩ	640g±20g	≥5000 (0.5C)	27*70*180mm
TB-25Ah-LFP	3.2V	25Ah	25A	25A	150A	≤2.0mΩ	640g±20g	≥5000 (0.5C)	27*70*170mm
TB-30Ah-LFP	3.2V	30Ah	30A	30A	60A	≤3.0mΩ	680g±20g	≥5000 (0.5C)	27*70*180mm
TB-100Ah-LFP	3.2V	100Ah	100A	100A	150A	≤0.6mΩ	2200g±20g	≥5000 (0.5C)	32*173*195mm
TB-100Ah-LFP	3.2V	100Ah	100A	100A	150A	≤0.4mΩ	2150g±50g	≥5000 (0.5C)	48*173*117mm
TB-150Ah-LFP	3.2V	150Ah	75A	75A	225A	≤0.35mΩ	3060g±50g	≥5000 (0.5C)	45*173*184mm

Cylindrical Cells



Model	Nominal Voltage	Nominal Capacity	Standard Charge Current	Standard Discharge Current	Max. Continuous Discharge Current	Internal Impedance	Weight	Cycle Life (cycles)	Dimension
TB-12.5Ah-LFP	3.2V	12.5Ah	6.25A	6.25A	25A	≤3.0mΩ	275g±10g	≥2000	Φ32*140mm
TB-14.5Ah-LFP	3.2V	14.5Ah	7.25A	7.25A	29A	≤3.0mΩ	292g±10g	≥2000	Φ33*140mm
TB-15Ah-LFP	3.2V	15Ah	7.5A	7.5A	30A	≤3.0mΩ	295g±10g	≥2000	Φ33*140mm
TB-20Ah-LFP	3.2V	20Ah	10A	10A	40A	≤3.0mΩ	420g±10g	≥2000	Φ40*140mm
TB-25Ah-LFP	3.2V	25Ah	12.5A	12.5A	50A	≤3.0mΩ	510g±10g	≥4000	Φ46*140mm

GC2 Battery solution



Model	Nominal Voltage	Nominal Capacity	Recommend Charge Current	Allowed Max. Discharge Current	Weight	Dimension (L*W*H)	Terminals Type
R-B12120	12.8V	120Ah	40A	150A	~15kg (33.0Lb)	260*180*272mm	M8
R-B2460	25.6V	60Ah	30A	60A	~15kg (33.0Lb)	260*180*272mm	M8
R-B3650	38.4V	50Ah	20A	50A	~16kg (35.2Lb)	260*180*272mm	M8
R-B4830	51.2V	30Ah	10A	60A	~15kg (33.0Lb)	260*180*272mm	M8

Portable Power Station



Model	Nominal Capacity	Nominal Power	Nominal Output Voltage	Nominal Output Power	USB-C Output	USB-A Output	Weight	Dimension
Powout-500	560Wh	500W, peak 800W	100-120V	500W	65W max.	18W max.	~6.5kg(14.3lb)	288*155*240mm
Powout-600	560Wh	600W, peak 1200W	100-120V	600W	100W max.	18W max.	~7.5kg(16.5lb)	288*155*240mm
Powout-1000	1113.6Wh	1000W, peak 1500W	100-120V	1000W	100W max.	18W max.	~13.5kg(29.7lb)	365*272*229mm
Powout-1500	1485Wh	1500W, peak 2000W	100-120V	1500W	PD100W max.	18W max.	~16kg(35.2lb)	370*311.5*235mm

Portable Solar Panel



Model	Max. Power Voltage(Vm)	Max. Power Current(I _m)	Transformation Efficiency (EFF)	Max. Power	Connector Type	Weight	Dimensions (folded)
TB280W_SP_23V	23.5V	11.8 A	≥22.5	280W±5%	XT60	~9kg(20.5lb)	663*616*54mm
TB100W_SP_20V	20V	5A	≥24	100W±5%	XT60	~3.6kg(8.3lb)	536*608*38mm