TrickleStar®

TS6015

POWERSTATION1500™

OVERVIEW

The TrickleStar® PowerStation1500™ is your ideal portable power station solution for emergency home backup and outdoor power applications. Ready to safely power mobile devices and other sensitive electronics or portable lights, heaters, or power tools, the PowerStation1500 is there when you need it most.

Weighing just under 40 lbs. (18 kg) and with an ergonomic handle, it is both easily storable and highly portable. Featuring both AC and solar panel charging, it also has a wide range of power output formats including USB Type-A, USB Type-C, 120 V AC, and 12 V DC. The unit's LCD Status Display provides battery status, working conditions, and error notifications.

Our unit's foundation relies on a state-of-the-art, lithium-ion battery designed to deliver safe, long-lasting, and reliable power. Featuring Pure Sine Wave power output, connected devices charge and operate at peak efficiency with optimal longevity. Protecting our lithium-ion battery and connected devices is our intelligent Battery Management System ("BMS"). The BMS maximizes power output, minimizes charging time of connected devices, and extends battery lifespan. It also provides protection against over-charging, over-voltage, over-current, short circuit, and overload.

The PowerStation1500 supports charging from an AC power source or from a connected portable solar panel to allow fast and easy charging regardless of your power source or location. You can also use the included Y Anderson to DC 7909 Adapter cable to connect up to two 100 W solar panels to quickly charge your PowerStation1500. Equipped with a range of power output options, the PowerStation1500 offers outstanding flexibility to safely power different devices via:

- 120 V AC outlets (4)
- USB Type-A ports (4)
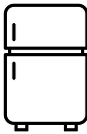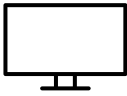- USB Type-C port (1)
- 12 V DC port (1)

KEY FEATURES

- High capacity, 1500 Wh, lithium-ion battery
- Pure Sine Wave power output
- Battery Management System
- AC and solar power charging
- LCD Status Display
- Y Anderson to DC 7909 Adapter cable to charge the PowerStation1500 with up to two 100 W solar panels

PRODUCT WARRANTY

One year product warranty.

FEATURES

Main Power Button

DC Power Button

AC Power Button

USB Type-A Outputs (4)

USB Type-C Output

LCD Display

Charging Input (0.31 in. (8 mm))

12 V DC Output

120 V AC Outlets (4)

Front View

Rear View

Output	Devices			
120 V AC Outlets	Full size refrigerator	TV	Laptop	Light Bulb
USB Type-A Outputs	Smartphone	Tablet	Camera	
USB Type-C Output	Smartphone	Laptop		
12 V DC Car Output	Portable Mini Fridge			

WHAT'S IN THE BOX

1500 Wh Portable
Power Station

AC Charger
5 ft. (1.5 m)

Y Anderson to DC 7909 Adapter Cable
1 ft. (0.3 m)

OPTIONAL ACCESSORIES
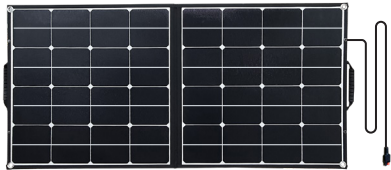
100 W Solar Panel with Anderson Connector
Unfolded: 42.7 in. (W) x 21.4 in. (H) x 0.2 in. (D)
108.4 cm (W) x 54.4 cm (H) x 0.5 cm (D)
Folded: 21.3 in. (W) x 21.4 in. (H) x 0.6 in. (D)
54.2 cm (W) x 54.4 cm (H) x 1.5 cm (D)

Solar Panel Cable
(to connect a 3rd party
solar panel) 5 ft. (1.5 m)

12 V DC Cable
2.4 ft. (0.7 m)

SYSTEM

Connects up to two solar panels with
Y Anderson to DC 7909 Adapter cable (included)

100 W TrickleStar Portable
Solar Panel (sold separately)

Charges

**1500 Wh Portable
Power Station**

AC Charger
200 W Power Supply

Powers
Connected
Devices

4 x 120 V AC
Power Outlets

4 x USB
Type-A Outputs

1 x USB
Type-C Output

1 x 12 V DC
Output

PRODUCT SPECIFICATIONS

GENERAL

Dimension (W x H x D)	: 15.35 in. x 14.84 in. x 7.00 in. (39.0 cm x 37.7 cm x 17.8 cm)
Weight	: 39.7 lb. (18 kg)

INPUT CHARGING

120 V AC	: 200 W (AC Charger)
Solar Panel	: 500 W (Max) 0.31 in. (8 mm) charging port, 16 - 60 V

AC OUTPUT

Voltage	: 120 V AC, 8.3 A
Frequency	: 60 Hz
Voltage Type	: Pure Sine Wave
Output Socket	: Double Insulation
Output Power	: 1000 W total for 4 ports
Output Peak power	: 2000 W (surge)

DC OUTPUT

USB Type-A	: 5 V up to 3 A (15 W Max), regulated (4 ports)
USB Type-C	: 5 - 20 V up to 3 A (60 W Max), regulated
12 V Car Port	: 12 V up to 10 A (120 W Max), regulated

WHAT'S INCLUDED

- PowerStation1500
- 200 W AC Charger with 5 ft. (1.5 m) cable
- Y Anderson to DC 7909 Adapter with 1 ft. (0.3 m) cable
- Dust Cover

OPERATING CONDITIONS

Charge Temp.	: 32°F ~ 104°F (0°C ~ 40°C)
Discharge Temp.	: 14°F ~ 104°F (-10°C ~ 40°C)
Operating Temp.	: 32°F ~ 104°F (0°C ~ 40°C)
Operating Humidity	: 10% ~ 90% non-condensing

DISPLAY

Display Type	: LCD display
Battery Status	: Battery capacity, battery image flashes while charging
Working Status	: Discharging, Recharging, AC/DC Outputs
Error Status	: Error Code

BATTERY

Battery Cell	: Lithium-ion INR18650P
Capacity	: 1500 Wh (14.8 V 102.5 Ah)
Charging cycles	: >1000 cycles to 80% capacity (Discharge rate 1C, Full charge / discharge 77°F (25°C))
Battery Management System	: MPPT Charge Controller 500 W (Max)
Protection	: Over-load, Over-charge, Over-voltage, Over-current, Over-temperature, Short circuit
Heat Dissipation	: Air Cooling

100 W PORTABLE SOLAR PANEL SPECIFICATIONS

GENERAL

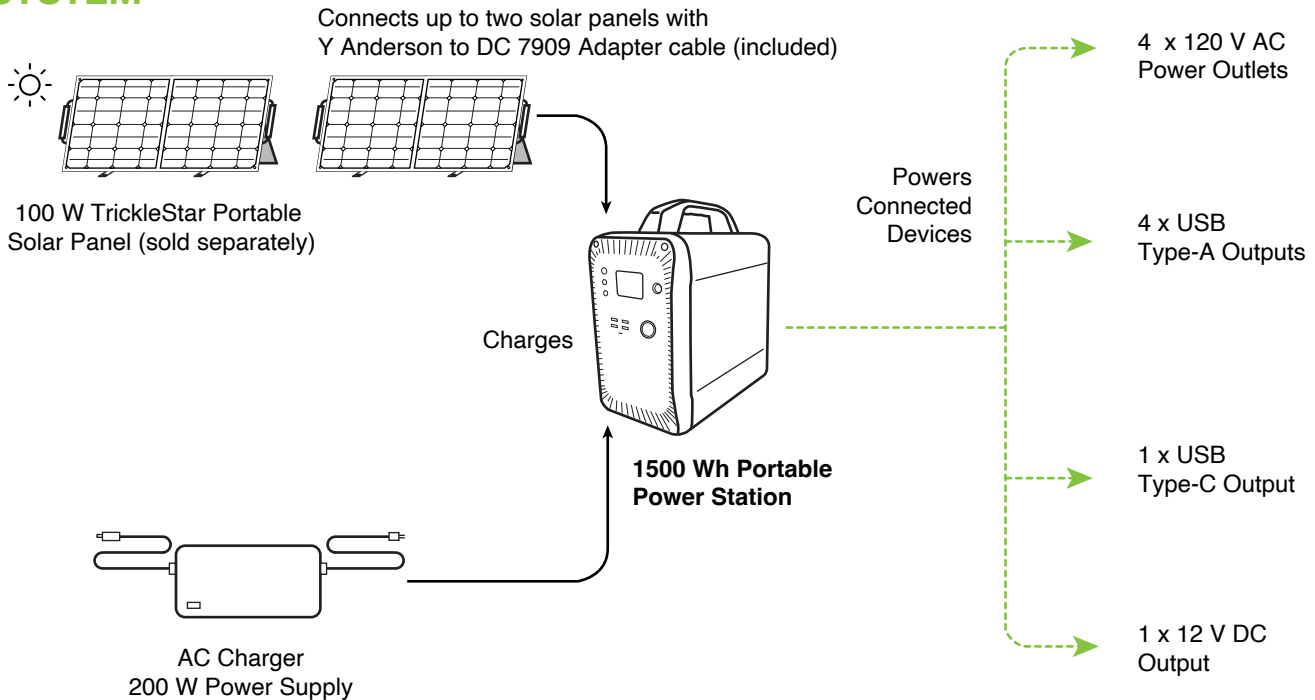|		
Net Weight	:	9.5 lb. (4.3 kg)
Gross Weight	:	11.5 lb. (5.2 kg)
Unfolded	:	42.7 in. (W) x 21.4 in. (H) x 0.2 in. (D)
		108.4 cm (W) x 54.4 cm (H) x 0.5 cm (D)
Folded	:	21.3 in. (W) x 21.4 in. (H) x 0.6 in. (D)
		54.2 cm (W) x 54.4 cm (H) x 1.5 cm (D)
Solar Panel Cell	:	64 pcs
IP Rating	:	IP54
Encapsulation Method	:	ETFE
Peak Power (Nom.)	:	100 W
Working Voltage (Vmp)	:	35.2 V
Working Current (Imp)	:	2.8 A
Open Circuit Voltage (Voc)	:	42.2 V
Short Circuit Current (Isc)	:	3.08 A
Operating Temperature	:	14°F ~ 149°F (-10°C ~ 65°C)

OUTPUT PORT

USB Type-A	:	5 V, 2.4 A (Total 12 W Max for 2 ports)
USB Type-C	:	5 V 3 A / 9 V 2 A / 12 V 3 A (Max)
Connecting Cable	:	Anderson output (AWG 14 lead with Anderson Connector) with 10 ft. (3 m) cable

APPROVAL

MODEL INFORMATION

TS6015 PowerStation1500

ACCESSORIES (COMES WITH TS6015)

TS3013 200 W AC Charger
TS3022 Y Anderson to DC 7909 Adapter cable

OPTIONAL ACCESSORIES (SOLD SEPARATELY)

TS3015 Solar Panel Cable (to connect a 3rd party solar panel)
TS3016 12 V DC Cable
TS601P One unit 100 W Solar Panel with Anderson connector
TS601P-2 Two units of 100 W Solar Panels with Anderson connector

REV 46/9 Mar 2023