

**ANKER SOLIX**

# **Anker SOLIX F3800**

**Portable Power Station 3840Wh | 6000W**

**The Most Accessible Home Power System  
6000W Output Power, Dual Voltage (120V/240V), AC Coupling**

# Highlights and Features

## — Next-Gen All-in-One Power Station

- The World's Most Accessible Home Power System
- Total Power for Your Home Plus Portability
- A Sustainable Energy Solution To Replace Gas Generators

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## Whole home power supply and circulation

— Get more control with the most accessible home power system

### Complete Home Power Access with simplest installation and low entry spending

Give your home the ultimate power solution in three steps: buy online, hire a local electrician, and let them install. A1790 provides 80% of the power of traditional systems at less than half of the price. This power overcomes frequent outages and is perfect for homeowners and apartment residents.

### The first PPS that supports AC coupling and has the highest output power of 6000W in its category

Works together with grid and rooftop photovoltaics at the same time. Cut electricity bills through peak-valley mode and photovoltaic circulation mode.

### Standard AC Output Doubled in One Power Station

Power your entire home and run several high-voltage appliances at once. A1790 comes with 6000W and 120V/240V AC output. If you need more power, boost it to 12,000W with 2 parallel machines. This is a way to upgrade your existing portable power station.

### Massive Power Capacity with Battery Expansion

Stay powered for up to seven days if a storm knocks out power. Each A1790 is packed with a massive 3.84kWh capacity. It can be expanded up to 26.9kWh with six expansion batteries, or combined with another unit for 12 total expansion batteries and 53.8kWh of capacity. You can configure power exactly to your needs.

## Household and RV Backup Power

### 6000W and 120V/240V Output

With AC output power up to 6000W, A1790 charge multiple heavy-duty appliances simultaneously, including washing machines and dryers. It can also run air conditioners with its 240V output by connecting to an existing pre-installed transfer switch for indoor power supply.

### 3.8kWh to 26.9kWh Expandable Battery Capacity

With the 3840Wh portable power station, you can add up to 6 expansion batteries to expand its capacity up to 26800Wh - enough to power your home for about a week.

## — Meet All Your Power Needs

### Everyday Power and EV Charging

Here's power you can use every day, not just during emergencies. When you park your EV, just connect the EV charging cable to A1790. No extra accessories are required. You can also power cycle your home and keep it running smoothly.

### Uninterrupted Backup Power for Home and RVs

When life is on the road, you have a go-to solution to power your RV and appliances inside. A1790 supports all types of RV power so you can stay focused on driving. At home, you can use A1790 as a backup power source for frequent power outages to keep quality of life uncompromised.

## Household and RV Backup Power

### Flexible Recharging Options

Whether you're home or in the middle of nowhere, you'll have a way to recharge A1790. Use the 2400W solar input to power sustainably or plug into an AC outlet for 1800W input. It's great for apartment residents dealing with frequent outages or outdoor enthusiasts.

### Long-Lasting InfiniPower™

Don't let power die after a couple of uses. A1790 is your long-lasting power solution and lets you power up every day for 10 years thanks to InfiniPower™. The technology combines long-lasting LFP batteries that last for 3,000 cycles and are backed by a 5-year warranty. The batteries last six times longer than regular lithium-ion cells.

### — Meet All Your Power Needs

### Smart App Control

Put power in your hands with the Anker app. You can monitor your power supply, charging status, input and output settings, and see exactly how much you save on electricity bills. It's perfect for tech enthusiasts and homeowners who want power supply convenience and control.

## Backup Home Power Connected to an Inlet Box or Transfer Switch

### — Simple and Sustainable Replacement for Gas Generators

#### Combine 2 Units for 12,000W of AC Output

You'll have enough energy to power (6000W and 120V/240V output) your home during blackouts with one A1790. But if you need more power, combine two units for 12,000W.

#### 3.8kWh to 26.9kWh Expandable Battery Capacity

Stay powered for up to 7 days if a storm knocks out power. You can configure the capacity to your exact needs.

#### The Cleaner, Easier Alternative to Gas Generators

Replace that noisy and polluting gas generator with A1790. This power source is plug-and-play. It connects to your existing inlet box and transfer switch to power your whole home cleanly and quietly. You also won't have to wait in line for gas during emergencies and can remain safe with your family.

# Specifications

## Anker SOLIX F3800 Portable Power Station

6000W Output Power, Dual Voltage (120V/240V), AC Coupling

# PPS Solutions

[More Info](#)

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## Product Model

PN	A1790
Model Name	Anker SOLIX F3800 Portable Power Station

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## Battery Info

Type of Battery	LiFePO4
Capacity (Wh)	3840
Capacity (mAh)	1200000
Cycle Life	3000+ (to 80%)

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## Output Info

<b>Maximum Output</b>	6444W (For US/CA/EU/UK/AU) 5444W (For JP)
<b># of Output Ports</b>	14 (For US/CA) 13 (For JP) 12 (For EU/UK/AU)
<b># of Standard AC Socket</b>	8 (For US/CA) 7 (For JP) 6 (For EU/UK/AU)
<b>Standard AC Rated Power</b>	US/CA/EU/UK/AU: 6000W JP: 5000W
<b>Standard AC Surge Power</b>	US/CA/EU/UK/AU: : 9000W JP: 7500
<b>AC Total Output</b>	US/CA/EU/UK/AU: 6000W JP: 5000W
<b>AC Auto Shut-Off</b>	Stand by mode 12 hrs

<b>Special AC Socket</b>	US: 1 x NEMA 14-50 (6000W Max, 240V) 1 x L14-30 (6000W Max, 240V) JP: 1 x 4000W Max (200V) EU/UK: 1 x 3680W (230V)
<b># of USB-A Output</b>	2
<b>USB-A Rated Power (per port)</b>	5V=2.4A (12W Max)
<b>USB-A Total Output</b>	24W
<b># of USB-C Output</b>	3
<b>USB-C Rated Power (per port)</b>	5V=3A/9V=3A/15V=3A/20V=3A/20V=5A (100W Max)
<b>USB-C Total Output</b>	300W
<b>USB auto shut-off</b>	YES
<b># of Car Outlet</b>	1
<b>Car Outlet Rated Power (per port)</b>	10.8~14V=10A (120W Max Per Port)

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## Input Info

<b>Input Voltage</b>	100V (JP) 120V (US/CA) 230V (EU/UK/AU)
<b>Total Input Power</b>	1500W (JP) 1800W (US/CA) 2990W (EU/UK/AU)
<b>EST Recharge Time</b>	AC Recharging (3.3 hrs) 1500W AC Recharging (2.67 hrs) 1800W AC Recharging (1.28 hrs) 2990W Solar Panels (1.97 hrs) 2400W Car (32 hrs) 120W
<b>Use Ports While Recharging</b>	YES
<b>Direct AC Input</b>	YES
<b>Maximum AC Input Power</b>	1500W (JP) 1800W (US/CA) 2990W (EU/UK/AU)

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<b># of DC Input</b>	2
<b>DC Adapter</b>	NO
<b>DC Input Size</b>	XT-60
<b>Solar Input Power</b>	11-32V= 10A; 32V-60V= 25A (1200W Max)
<b>EST Solar Recharge Time</b>	2 hrs (2400W) 3.2 hrs (1200W)
<b>Solar Panel Compatible</b>	YES
<b>MPPT Support</b>	YES

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## Screen Display Info

LCD Display	YES
% of Power	YES
Total Input Power	YES
EST Time to Fully Recharge	YES
Total Output Power	YES
EST Time to Deplete	YES
Input Ports	YES
Output Ports	YES
High-Temperature Alram	YES

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Low-Temperature Alram	YES
LCD Display auto shut-off	YES
Power Saving Mode	YES
APP Connect	YES (BLE+WIFI)
Remaining Battery for Expansion Battery	YES
Display Time before auto shut-off (with no operation to the powerhouse)	Default: 30s (can set on APP)

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## Safety Info

<b>Ingress Protection (Dust/Water Protection Level)</b>	NO
<b>Operation Temperature (° C/° F)</b>	Charging: -20 -40° C / -4 -104° F Recharging: 0-40° C / 32-104° F
<b>Overload Protection (AC)</b>	US/CA: 9600W JP: TBD EU/UK/AU: TBD
<b>Over-current Protection (USB-A)</b>	12W
<b>Over-current Protection (USB-C)</b>	100W
<b>Over-current Protection (DC)</b>	120W

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## Weight & Dimension Info

<b>Product Dimension (mm)</b>	702 x 383 x 370 (with wheels 65mm)
<b>Product Dimension (in)</b>	27.6 x 15.1 x 14.6 (with wheels 2.56in)
<b>Product Weight (kg)</b>	60
<b>Product Weight (lb)</b>	132.3
<b>Product Weight with Package (kg)</b>	66.5
<b>Product Weight with Package (lb)</b>	147.27
<b>Product Weight for Transportation (with UN Box/kg)</b>	66.5

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## Illumination Info

<b>Ambient Light</b>	YES
<b>Ambient Light Mode</b>	Ambient Light Mode

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## What You Get

<b>AC Adapter</b>	-
<b>Cable</b>	AC Charging Cable Solar Charging Cable (1 to 3)

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## Sales Market & Certification Info

<b>Sales Market</b>	US/CA/JP/EU/UK/AU
<b>Certification Requirement</b>	CB/CE/UL/FCC/IC/TELEC/UN38.3/MSDS/RCM

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## Specifications

### **Anker SOLIX F3800 Portable Power Station - Accessories**

Anker SOLIX BP3800 Expansion Battery (3840Wh)

Anker SOLIX Hone Power Panel

Anker SOLIX Double Power Hub

Anker SOLIX Transfer Switch

Anker SOLIX Transfer Switch Cable

Anker SOLIX Subpanel

Anker SOLIX Breaker

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## Product Model

PN	A1790111-85
Model Name	Anker SOLIX BP3800 Expansion Battery

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## Battery Info

Type of Battery	LiFePO4
Capacity (Wh)	3840
Capacity (mAh)	1200000
Cycle Life	3000+ (to 80%)

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## Screen Display Info

LCD Display	NO
Power Saving Mode	NO
APP Connect	NO
Remaining Battery for Expansion Battery	NO

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## Safety Info

Ingress Protection (Dust/Water Protection Level)	NO
Operation Temperature (° C/° F)	Charging: -20 -40° C / -4 -104° F Recharging: 0-40° C / 32-104° F

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## Weight & Dimension Info

Product Dimension (mm)	392.7 x 354.7 x 262
Product Dimension (in)	15.5 x 14.0 x 10.3
Product Weight (kg)	34.5
Product Weight (lb)	76
Product Weight with Package (kg)	36
Product Weight with Package (lb)	79.4
Product Weight for Transportation (with UN Box/kg)	37.1

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## What You Get

AC Adapter	-
Cable	Battery-to-host Charging Cable

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## Sales Market & Certification Info

Sales Market	US/CA/JP/EU/UK/AU
Certification Requirement	CB/CE/UL/UN38.3/MSDS/RCM

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**LIVE IN POWER**