

## Battery Power Bank Solution

### 2700W / 3500W / 5400W

- **2700W / 3500W / 5400W Capacity of Battery, Output 115V /15A (Max. 2KW)**
- **Input (Grid (125V), Solar (45V))**
- **Indoor only, UL battery**
- **3 Year Parts replacement by RMA**



### Description

The Battery Power Bank is a battery powered AC generator that stores electricity for use when and where power from the grid is unavailable: remote, off-grid, emergency and black- out scenarios. The Battery Power Bank stores electricity from solar and wind chargers (DC input), conventional generators, and the grid (AC input).

Battery Power Bank, Mobile AC power for critical equipment where you need it – in a home, office, hospital, school or emergency shelter.

Battery Power Bank access to USB ports and AC outlets for charging cell phones, tablets, other portable devices and home application.

Locking cabinet for indoor security and heavy-duty lockable casters for safe and easy mobility.

As a reliable primary or back-up power supply, the Battery Power Bank is safe for indoor use, is non-toxic and does not require ventilation or cooling.



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- ***What's Included***

**Controller Module:** Controls 'on-off', inverter, charger and monitors battery voltage

**Inverter/Charger:** Changes DC battery electricity to 115 Volt AC output and recharges battery

**AC Input/AC Output Circuit Breaker:** Protects against AC overloads and short circuits

**DC Circuit Breaker ON-OFF Switch:** Protects against DC overloads and short circuits

**AC Input:** 115 Volt AC input for direct pass-through AC

**(2) USB Outlets:** For charging and operating cell phones, tablets, and other electronic devices

**DC Input:** For solar or wind

- ***How The Battery Power Bank Works***

#### **UPS Mode (Uninterruptible Power Supply)**

Plug the supplied extension cord into the Battery Power Bank "AC Input" and into a standard AC outlet (wall socket).

Plug electronic devices and equipment into one of the Battery Power Bank AC or USB DC power outlets

Turn the Battery Power Bank inverter "ON" using the Controller Module (refer to manual as needed).

AC Power will now be available from the Battery Power Bank AC outlet.

The AC grid automatically charges the Battery Power Bank whenever the batteries need recharging.

During a grid failure, the Battery Power Bank automatically switches to UPS mode enabling uninterrupted (continual) and reliable equipment operation for critical electrical loads.

#### **Remote AC Power**

Turn the Battery Power Bank inverter "ON" using the Controller Module.

Plug electronic devices and equipment into the Battery Power Bank AC or USB DC power outlets.

Power is now available to run your electronic devices and equipment for hours or days at a time.

#### **Recharge**

When battery power is low or whenever time permits, plug the Battery Power Bank into the wall, generator or solar/wind charger to recharge. Charging can be done as frequently as desired without harm to the system. The Battery Power Bank can be used to support electrical loads while charging.

The power required to run equipment in everyday situations varies with the electrical device. Appliances such as microwaves, irons, toaster ovens, and hairdryers require high current for short periods of time. Appliances such as televisions, computers, fans, and refrigerators use low current for extended periods of time.

For example, if all of the following devices are used once a day, the total usage will be less than 1,500 watt hours.



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#### Specifications

<b>SKU</b>	
<b>2700W Battery</b>	F-GPB-02720
<b>3500W Battery</b>	F-GPB-03520
<b>5400W Battery</b>	F-GPB-05420
<b>General</b>	
<b>Operating Temperature</b>	-4 to 122 °F   -20 to 50 °C
<b>Mounting</b>	Free-standing
<b>Inverter</b>	
<b>Magnum Energy</b>	MS2024
<b>Application</b>	On / Off Grid
<b>AC Connections</b>	(4) 115V GFCI sockets for powering devices rated up to 15 Amps
<b>AC Output<sup>1</sup></b>	16 A, 120V AC, 60 Hz
<b>CEC Weighted Efficiency</b>	94%
<b>Battery</b>	
<b>Depth of Discharge<sup>2</sup></b>	up to 100%
<b>Round Trip Efficiency</b>	98%
<b>Solar (PV inlet)</b>	
<b>Morningstar Charge Controller</b>	TriStar-45 MPPT
<b>Input Power, Max</b>	1.2 kW
<b>Charge Current, Max</b>	45 A DC
<b>PV Array Voltage, Operating</b>	9 to 68 V DC



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<b>PV Array Voltage, Max Open Circuit)</b>	125 V DC
<b>Other Features</b>	
<b>System Interface</b>	ME-ARC

Notes:

- 1.) When operating from battery, the maximum inverter power is half the battery capacity (kWh/2h).
- 2.) Max operating conditions. Refer to Warranty for recommended conditions.

Specifications are typical/nominal. Subject to change without notice.

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“All documents should be used only for Reference for the business, not for any other purpose.”