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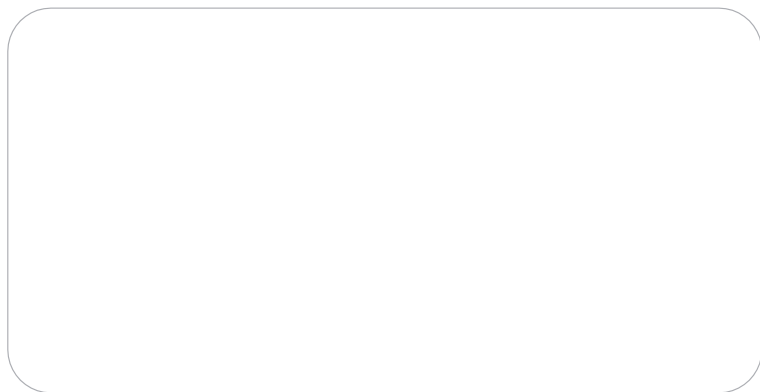
MONERATOR®

GUSTO POWER STATION

USER MANUAL

LiFePO₄ Battery

Distributed by:



Gusto^{20plus}

Gusto^{40plus}

Charge Me Now!

Before using or storing your Gusto Power Station, please charge it: 100% before use, 50% before storage.

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Notice and Warning

PLEASE FOLLOW THE INSTRUCTIONS AND SAVE THIS MANUAL

If any of the following scenarios occurs to Gusto Power Station*, please STOP using the product, and turn it off IMMEDIATELY.

- Gusto Power Station, AC adapter, AC cable, or power plug becomes abnormally hot, and/or accompanied by a burnt odor.
- Liquid intrusion.
- Foreign matter gets inside the Gusto Power Station.
- Any visible or suspicion of damage of the Gusto Power Station.
- When it is dropped, or mishandled.

* The list is not exhaustive.

Danger*

- Do not use the Gusto Power Station to connect any life support system or any medical equipment or devices.
- Do not disassemble or modify Gusto Power Station.
- Do not short-circuit.
- Do not insert any metal object to any output ports and/or input port.
- Do not place Gusto Power Station under direct sun, or near stove fire.
- Do not drop in fire, or overheat the Gusto Power Station.
- Do not expose Gusto Power Station to moisture, rain, snow, spray, contaminated water.
- Do not connect the output terminal of the Gusto Power Station to any AC power line, including, but not limited to: commercial power, generator, linear power, etc.
- Do not touch the Gusto Power Station with wet hands.
- Keep Gusto Power Station away from fire or high heat.
- Keep Gusto Power Station away from children's reach.

* The list is not exhaustive.

Battery Safety Warning*

Gusto Power Station has a built-in battery with the latest lithium-ion battery LiFePO₄ technology. Please handle this product with care, or it may cause fire, chemical burns or bodily injuries.

- Do not disassemble Gusto Power Station.
- Do not disassemble the battery inside the Gusto Power Station.
- Do not drop the Gusto Power Station.
- Do not expose the Gusto Power Station to any shock or outside force.
- Do not touch damaged or leaking lithium-ion battery with bare hands.
- Keep the battery pack out of reach of children.
- Keep the battery pack dry.

* The list is not exhaustive.

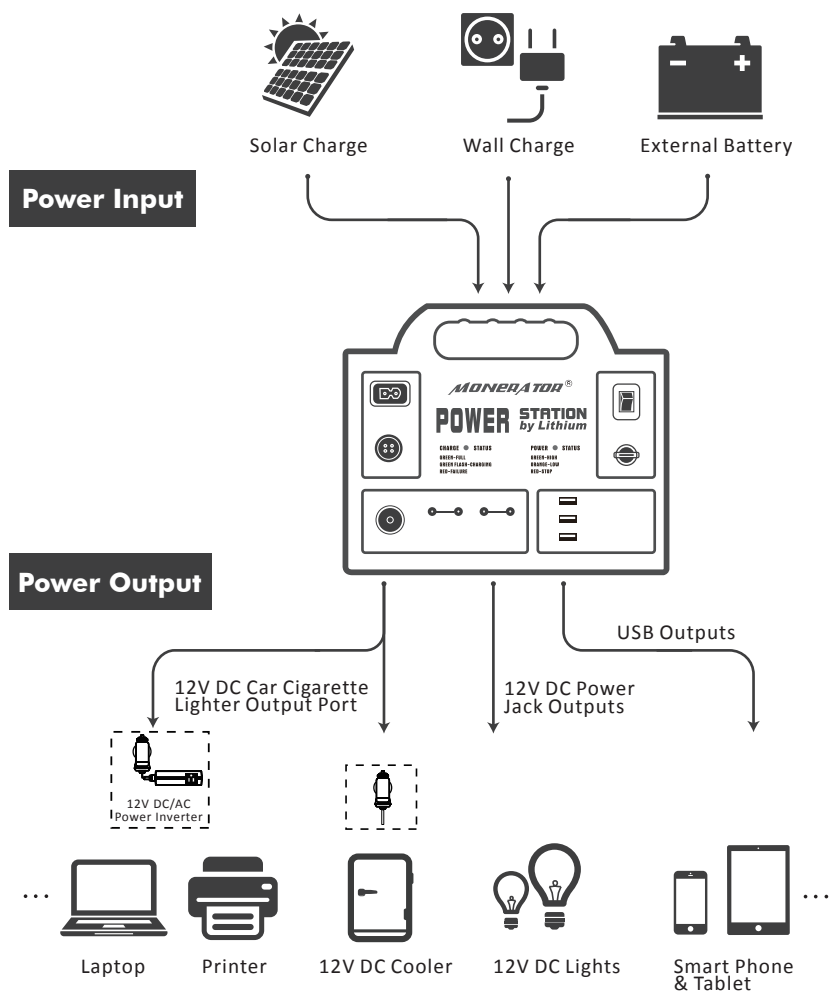
Caution*

- Unauthorized changes or modification to the equipment will void the manufacturer's warranty.
- The AC cable and adapter charger, if supplied, are designed specifically for use with Gusto Power Station only, and it should not be used with other electrical equipment.
- Please do not leave an operating Gusto Power Station unattended.

* The list is not exhaustive.

Get Started

How Gusto Power Station Works?



Run Time on Typical Products*

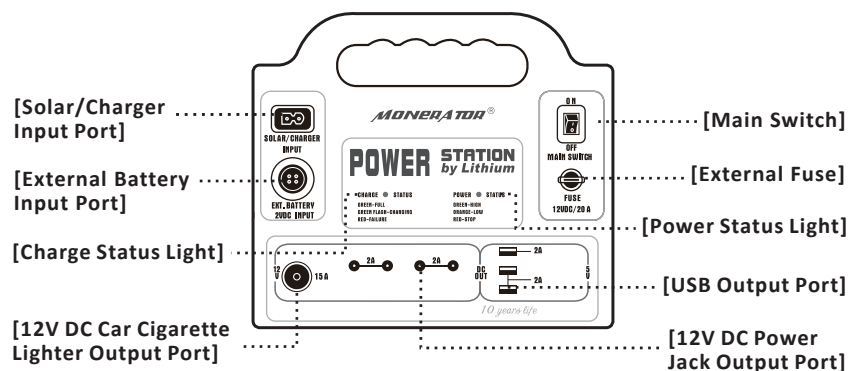
Applications	Watts	Gusto ^{20plus}	Gusto ^{40plus}
LED Lamp	5W	48h	96h
Wireless Router	6W	40h	80h
Laptop	25W	9.6h	19.2h
CPAP Device	35W	6.8h	13.6h
Printer	50W	4.8h	9.6h
20"LCD Monitor	50W	4.8h	9.6h
12V DC Cooler	70W	3.3h	6.6h
35"LCD TV	100W	2.2h	4.5h
Desktop Computer	150W	1.5h	3h
Mini Washing Machine	170W	1.2h	2.5h

*From a fully charged Gusto Power Station.

*The above data were got from power consumption tests on a typical brand new sample unit at manufacturer's lab facilities. Differences may be found from product to product, or working conditions.

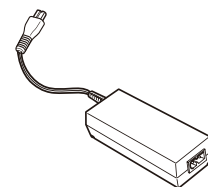
*The wattage (Watt) listed above on the chart are for reference only.

Get to Know Your Gusto Power Station

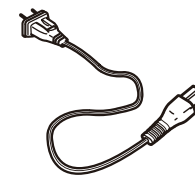


Parts	<i>Gusto^{20puls}</i>	<i>Gusto^{40puls}</i>
	256Wh	512Wh
External Fuse	28-32V DC/20A	
Solar/Charger Input Port	14.6-25V DC, 3A	
External Battery Input Port	12V battery	
Charge Status Light	See page 7	
Power Status Light	See page 8	
USB Output Port	5V, max.2A	
12V DC Power Jack Output Port	12V, max.2A each	
12V DC Car Cigarette Lighter Output Port	12V, max.15A	

Standard Accessory



[AC Adapter Charger]



[AC Cable]



[External Fuse]



[Cig. Port Lid]

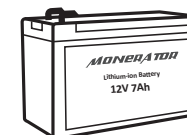
Optional Accessory



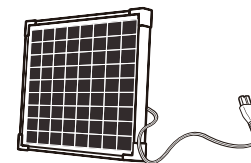
[12V DC/AC Power Inverter]



[External Battery Connection Cable]



[External Battery]



[Solar Panel]



[LED Lamp]



[LED Lamp Holder]

Charge Status Light:

Light	Status of Charge
Solid Green:	Charging complete
Flashing Green:	Charging in process
Flashing Red:	False charging voltage input, or high input warning
Off:	1. The main switch is off. 2. Charger adapter or solar panel is not connected. 3. Charging error, such as bad connection between charger adapter and Gusto Power Station. 4. Gusto Power Station is at Sleep Mode*. 5. System error, please contact our customer service via email: support@monerator.com via phone: +1-800-870-2618

Warning

- CHARGE INPUT: 25V DC, 4A MAX.
- DO NOT PLUG AC CABLE DIRECTLY INTO solar/charger input port.
- DO NOT INPUT AC POWER (110V-220V) DIRECTLY INTO solar/charger input port.

Power Status Light:

Light	Power Level
Green:	High battery capacity
Orange:	Low battery capacity. Users prepare to reduce the outputs or disconnect all outputs.
Red:	Low battery capacity. Users need to disconnect all outputs immediately and charge the Gusto Power Station.
Flashing Red:	1. After flashing red light for 15 seconds, the Gusto Power Station will turn into Sleep Mode*. The [USB output port] and [12V DC power jack output port] stop power output right after flashing red light stops. The [12V DC car cigarette lighter output port] may take a little longer before it fully stops power output. Users shall unplug all connected devices and charge the Gusto Power Station immediately. 2. Prepare to charge Gusto Power Station by connecting either [AC adapter charger] or solar panel to Gusto Power Station. (see page 9,11)
Off:	1. The main switch is off 2. Gusto Power Station is at sleep mode* 3. Power error, such as overloading or being idle for long 4. System error, please contact our customer service via email: support@monerator.com via phone: +1-800-870-2618

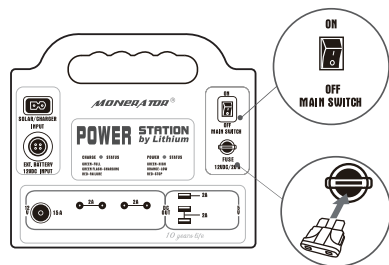
* Sleep Mode

The Gusto Power Station will switch to “Sleep Mode” for the purpose of safety and energy saving. For example:

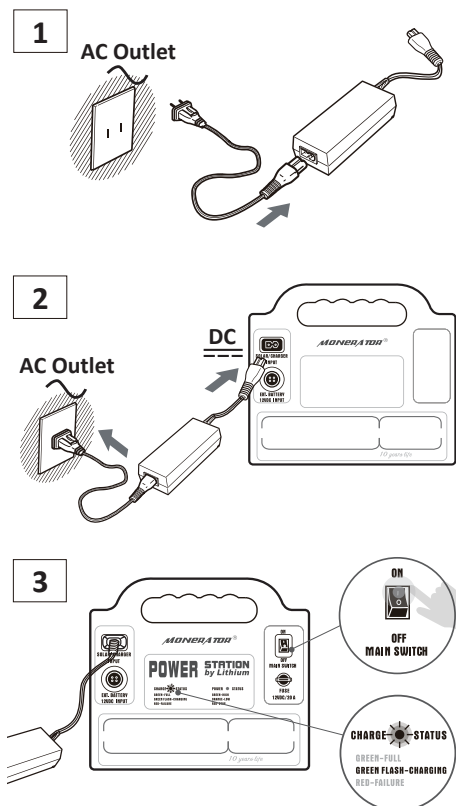
1. If there is no charge or discharge for more than 30 minutes. Gusto Power Station will initiate energy saving management by switching to “Sleep Mode”.
2. To activate the Gusto Power Station from “Sleep Mode”, turn off the main switch and then turn it on again.

How to Charge?

Before Any Operation, Make Sure that:



Using AC Wall Charger:



- The [external fuse] is plugged in the fuse socket.
- The [main switch] is off.
- Charge Gusto Power station at 32°F to 113°F (0°C to 45°C).

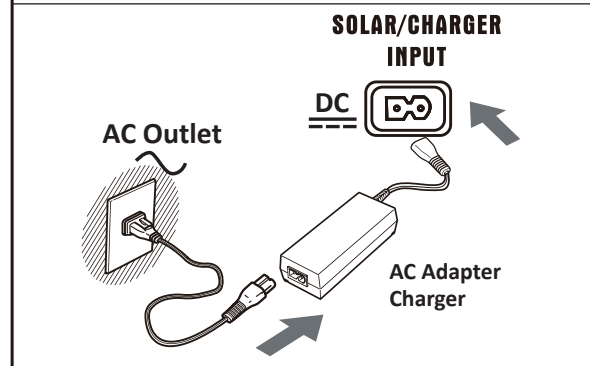
Connect the [AC adapter charger] to the [AC cable].

Plug the [AC adapter charger] into [solar/charger input].

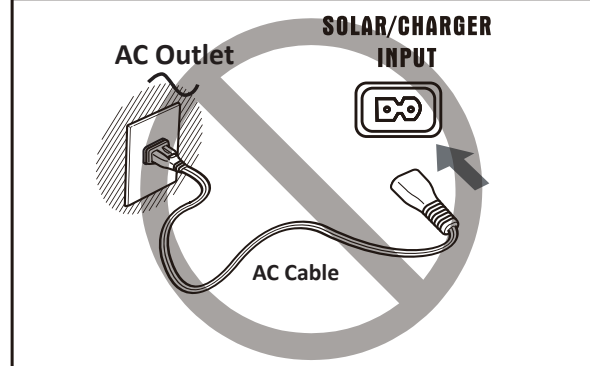
1. Turn on the [main switch] and the [charge status light] will flash in green color.
2. The [charge status light] will become solid green when charging complete.

DO NOT plug the [AC cable] directly to [solar/charger input port]

CORRECT CONNECTION



WRONG CONNECTION



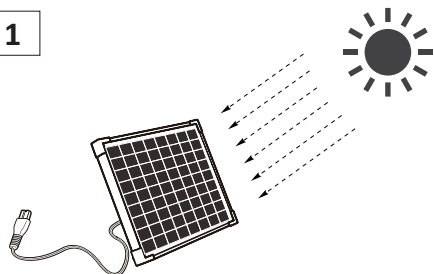
Note:

- Charge Input: 25V DC, 4A Max.
- Gusto Power Station will stop charging automatically when the battery is fully charged.
- To obtain an efficient charge of Gusto Power Station, please charge it at 32°F to 113°F (0°C to 45°C).

Using Solar Panel

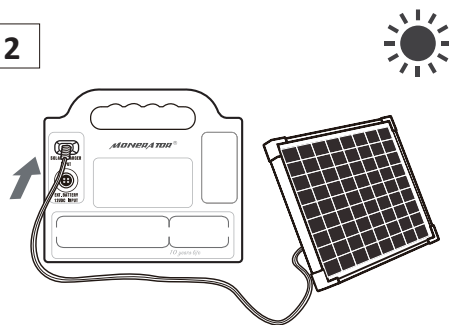
Make sure the Gusto Power Station is turned off before operating the connection.

1



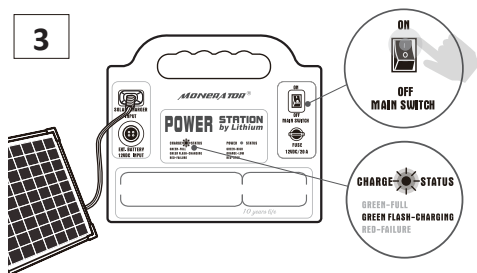
Place the solar panel under the sunlight
(please see picture on the left for correct position).

2



Plug the [solar panel output cable] into the Gusto Power Station [solar/charger input].

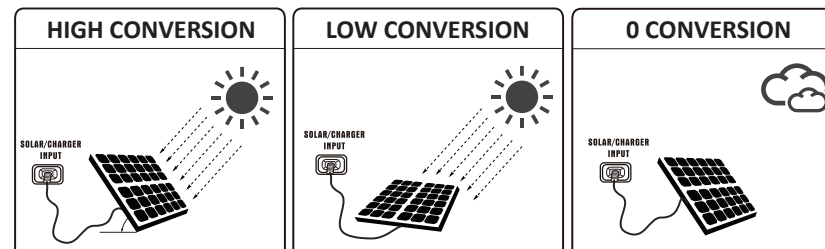
3



1. Turn on the [main switch] and the [charge status light] will flash in green color.
2. The [charge status light] will become solid green when charging complete.

Note:

- Sunlight may vary during the course of the day, and the charge time is subject to weather and other geographical factors.
- Make sure that the panel is positioned at an angle (see pictures below) and it is fully exposed to sunlight.



Estimated charging time				
Solar Panel Power	10W	20W	50W	100W
Gusto^{20plus}	36h	18h	8h	5h
Gusto^{30plus}	72h	36h	16h	10h

Warning

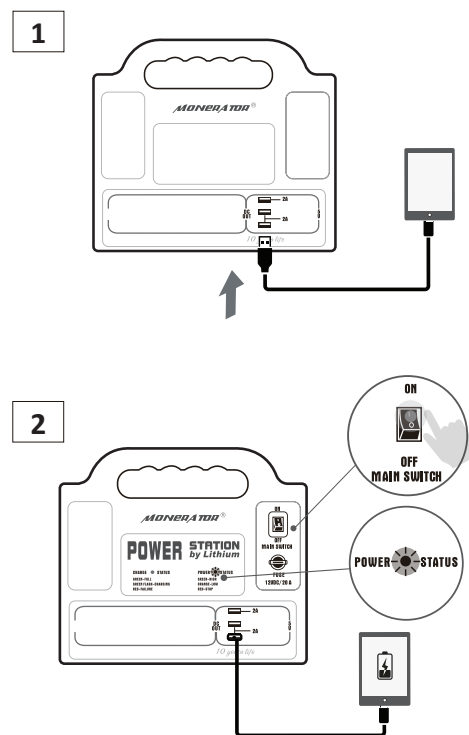
- DO NOT plug the AC cable directly to solar/charger input of the Gusto Power Station.
- DO NOT turn off the Gusto Power Station or remove the fuse when charging.
- DO NOT accumulate dust or any foreign object in the AC adapter charger input/output port, Gusto Power Station solar/charger input port, or solar panel charging output port, as doing so may cause fire.
- DO NOT charge Gusto Power Station if the product is visibly damaged and/or leaking liquid.
- The AC cable and AC adapter charger, if supplied, is specifically designed to Gusto Power Station, and should not be used with other electrical equipment.

How to Use?

Preparation:

- Make sure the **[external fuse]** is plugged into the fuse socket.
- Always make sure to turn off the Gusto Power Station before connecting devices.

Power Device Via USB Cable



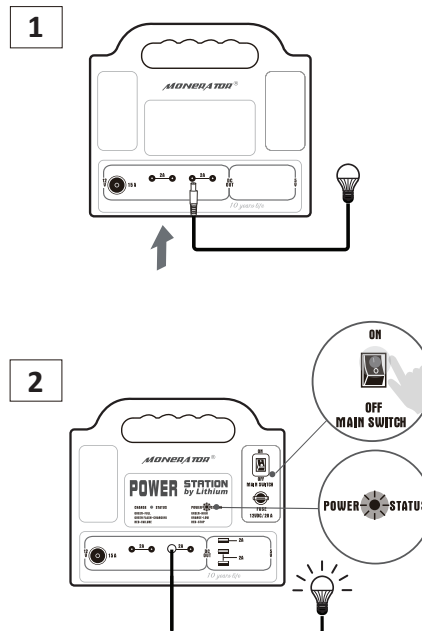
Connect electronic device.

1. Turn on the **[main switch]**.
2. The **[power status light]** will become solid green once turned on.
3. If the light is not solid green, please refer to **[power status light]** (see page 8).

Warning

- All power output ports on Gusto Power Station are for power output purpose ONLY. Power input is NOT allowed.
- DO NOT use the power output ports to charge Gusto Power Station.

Power 12V DC Device -- [12V DC jack output port]



Plug the 12V DC device into any of the four **[12V DC jack output port]**.

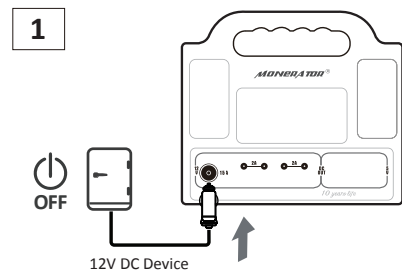
1. Turn on the **[main switch]**.
2. The **[power status light]** will become solid green once turned on. If the light is not solid green, please refer to **[power status light]** (see page 8).

Warning

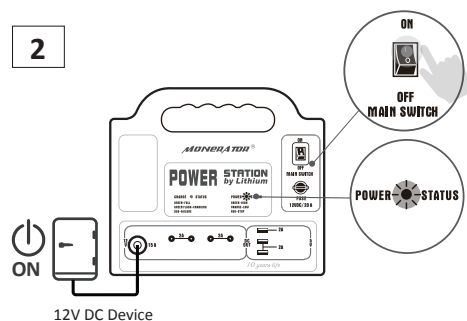
- All power output ports on Gusto Power Station are for power output purpose ONLY. Power input is NOT allowed.
- DO NOT use the power output ports to charge Gusto Power Station.

Power 12V DC Device

-- [12V DC car cigarette lighter output port]



1. Turn off the power of the device.
2. Plug the device into [12V DC car cigarette lighter output port]

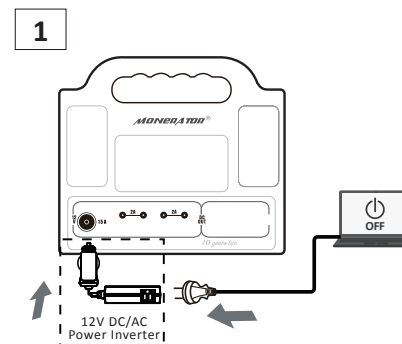


1. Turn on the [main switch] of the Gusto Power Station.
2. The [power status light] will become solid green once turned on. If light is not solid green, please refer to [power status light] (see page 8)
3. Turn on the power of the device.

Note :

- Max power output from [12V DC car cigarette lighter output port] is 12V DC 15A.
- The power from the [12V DC car cigarette lighter port] is ALWAYS ON unless the internal and/or external battery power is fully consumed. When User does not wish to run a device powered by Gusto Power Station, please turn off the power on the device itself in stead of turning off the [main switch] on Gusto Power Station.
- For safety protection, please always have [cig. port lid] covering the [12V DC car cigarette lighter output port], when it is no longer in use.

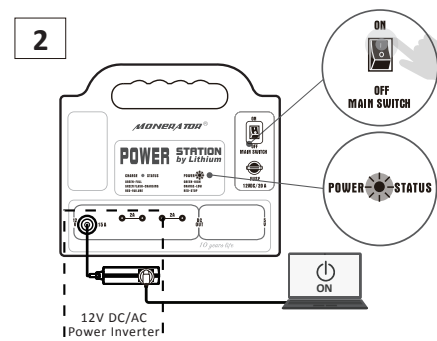
Power AC Device



1. Plug [external inverter] into the [12V DC car cigarette lighter output port] of Gusto Power Station.
2. Turn off the power of the AC device.
3. Connect the AC device with the [external inverter].

Note :

Max. AC output 180 Watts.

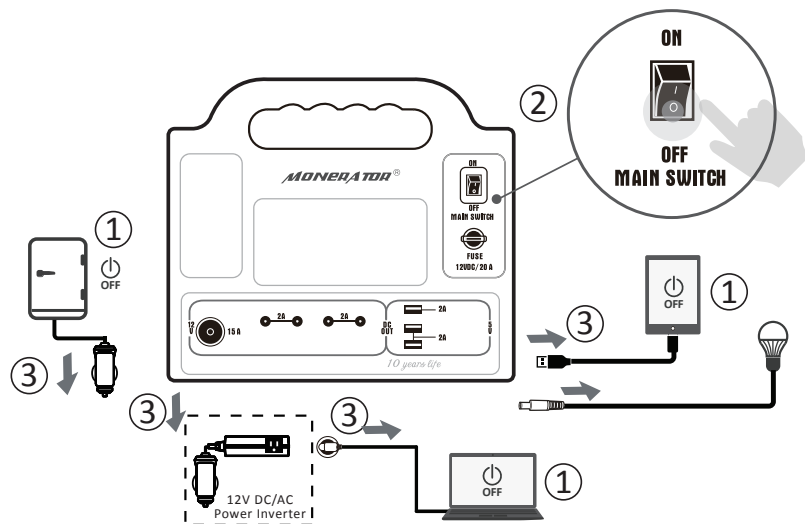


1. Turn on the [main switch] of the Gusto Power Station.
2. The [power status light] will become solid green once turned on. If the light is not solid green, please refer to [power status light] (see page 8).
3. Turn on the power of the AC device.

Note :

- The power from the [12V DC car cigarette lighter port] is ALWAYS ON unless the internal and/or external battery power is fully consumed. When User does not wish to run a device powered by Gusto Power Station, please turn off the power on the device itself in stead of turning off the [main switch] on Gusto Power Station.
- For safety protection, please always have [cig. port lid] covering the [12V DC car cigarette lighter output port], when it is no longer in use.

Power Off



- ① Turn off the power of connected devices.
- ② Turn off the [main switch] of Gusto Power Station.
- ③ Unplug connected devices, including [external inverter] from Gusto Power Station.

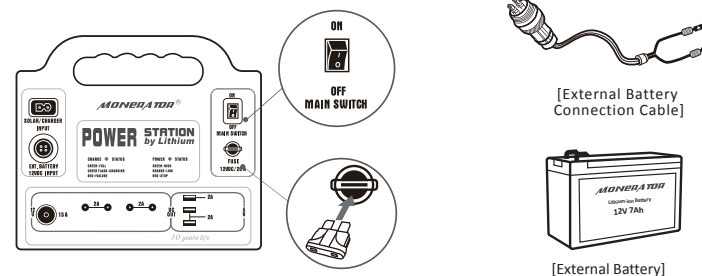
Warning

- Users shall NOT treat Gusto Power Station's main switch as the power switch of the devices. When User does not wish to run a device powered by Gusto Power Station, User shall fully turn off the power on the device itself instead of turn off the [main switch] on Gusto Power Station.
- For safety protection, please always have [cig. port lid] cover the [12V DC car cigarette lighter output port], when it is no longer in use.

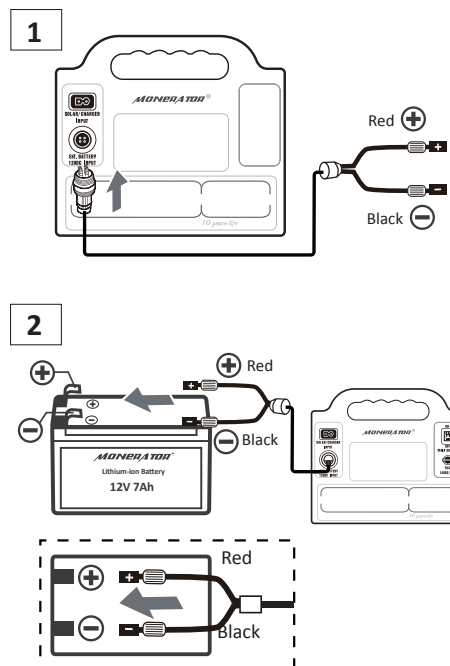
USE an External Battery

Preparation:

- Make sure the [external fuse] is plugged into the fuse socket.
 - Make sure the Gusto Power Station is turned off before connecting the external battery*.
- *An [external battery] and [external battery connection cable] are required, please see optional accessory (see page 6).



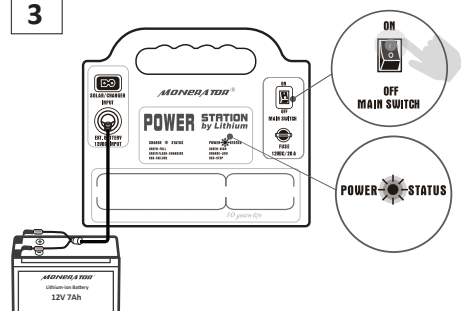
To Connect



Connect the [external battery connection cable] to the Gusto Power Station [external battery input port].

Connect ⊕ (Red) terminal of the [external battery connection cable] to the ⊕ (Red) terminal of the [external battery], and connect ⊖ (Black) terminal of the [external battery connection cable] to the ⊖ (Black) terminal of the [external battery].
(see demonstrations on the left)

3



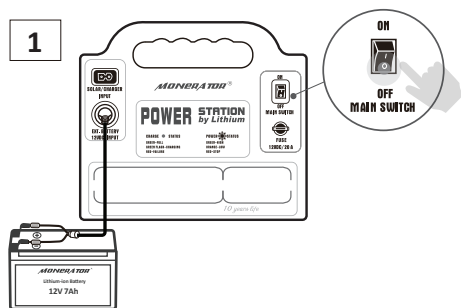
1. Turn on the [main switch].
2. The [power status light] will blink 5 times when the [external battery] is successfully connected to the Gusto Power Station.

Warning

- Please make sure not to short-circuit by falsely reverse the ⊕ (Red) and ⊖ (Black) terminals of the external battery.
- Wrong connection or false ratings of the external battery may cause fire and/or damage the Gusto Power Station.

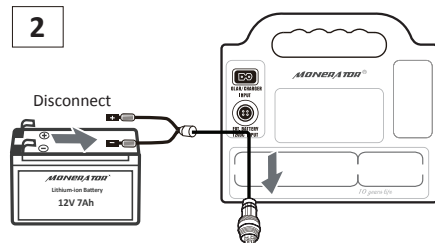
To Disconnect

1



Turn off the [main switch].

2



1. Unplug the [external battery connection cable] from the Gusto Power Station [external battery input port].
2. Disconnect both ⊕ (Red) and ⊖ (Black) terminals from the [external battery].

Technical Parameters

Product Name	GUSTO POWER STATION	
Build-in Battery	Lithium-ion - Lithium Iron Phosphate Battery (Li-FePO4), 12V DC(Nominal Voltage12.8V)	
Physical Dimension	11.2"*5.3"*9.8" (285*134*248mm)	
Model	<i>Gusto^{20plus}</i>	<i>Gusto^{40plus}</i>
Rated Energy	256Wh	512Wh
Weight (battery incl.)	7.72lbs(3.5kg)	12.13lbs(5.5kg)
Waterproof	No	
Operation Temperature Range	32 °F to 113 °F (0°C to 45°C)	
Storage Temperature Range	-4 °F to 77 °F (-20°C to 25°C)	
Multi-level Safety Features		
Battery Management&Protection	Yes. Built-in.	
Short Circuit Protection	Yes	
Over Load Protection	Yes	
Battery Low Warning	Yes	
Over Charge Protection	Yes	
Over Discharge Protection	Yes	
Fuse (User Replaceable)	Yes. 12V DC, 20A	
Power Output		
Max. Total Output	250W, 19A	
DC Output		
Car Cigarette Lighter Output Port	1 outlet-12V DC 15A max.	
DC Power Jack Output Port	4 outlets-12V DC 2A max./each	
USB Output Port	3 outlets-5V DC 2A max.	
AC Output via External Inverter		
External Inverter	12V DC to 220V AC European standard 12V DC to 110V AC American standard	
Max. Output Power	180W	
Charge Input (by AC adapter charger and solar panel)		
Input Voltage Range	14.6V DC-25V DC	
Input max. Charging Current	4A	
Solar Charge Controller	Included. Built-in	
Max. Solar Input Power	25V DC, 100W max.	
External Battery Input		
Nominal Input Voltage	12V DC	
Nominal Capacity	100Ah Max.	

Charger Adapter

Charger Adapter		
Charger Output Voltage	16.8V DC	
Charger Output Current	3A	
Charger Input Voltage	110V AC-220V AC, 50/60Hz	
Charger Efficiency	80% approx.	
Charger Type	Specially designed for Li-ion (Li-FePO ₄) battery	
Estimated Charging Time	 Max. 7 hours	 Max. 14 hours

Trouble Shooting and Maintenance

If Charge Status Light is Off:

- ✓ Please check whether the main switch of the Gusto Power Station is turned on.
- ✓ Please make sure the external fuse is plugged in correctly.
- ✓ Please make sure the connection between the Gusto Power Station and adapter charger with AC cable, or the solar panel is well connected.
- ✓ Make sure the adapter charger is in good condition.
- ✓ Please make sure Gusto Power Station is not in "sleep mode". (To activate from "sleep mode", please turn off and then turn on the Gusto Power Station.)

After completing the above check list and the charge status LED remains off, please contact our customer service team to get support.

Phone: +1-800-870-2618

Email: support@monerator.com

If Power Status Light is Off :

- ✓ Please make sure the Gusto Power Station is turned on.
- ✓ Please make sure the external fuse is plugged in correctly.
- ✓ Please make sure Gusto Power Station is not in "sleep mode". (To activate Gusto Power Station from sleep mode, please turn off and then turn on the Gusto Power Station.)

After completing the above check list and the power status LED remains off, please contact our customer service team to get support.

Phone: +1-800-870-2618

Email: support@monerator.com

Gusto Power Station User Maintenance.

To get the best performance from the battery, please charge Gusto Power Station regularly. For long term storage, please maintain 50%-80% charge stage, remove the external fuse and store in a cool place.

Never stock Gusto Power Station when the battery is at low capacity level.

It is highly recommended to provide regular battery maintenance for the Gusto Power Station in every 3-4 months.

*Battery maintenance means to charge and discharge battery and maintain 50%-80% charge stage before storage.

Warranty and Contact

Limited Warranty

Gusto Power Station warrants to the original consumer purchaser that this product will be free from defects in craftsmanship and material under normal consumer use during the applicable warranty period. Gusto Power Station will repair or replace (at its own discretion) any Gusto Power Station product that fails to operate during the applicable warranty period due to a defect in craftsmanship or material.

Exclusion

This warranty does not apply to any product that is misused, modified, damaged by accident, abused, fail to perform regular maintenance by consumer, or used for anything other than normal consumer use as authorized in Gusto Power Station's then current product manual.

Warranty Period

The warranty period for Gusto Power Station is one year starting from the date of the purchase by the original purchaser. The sales receipt from the first consumer purchase, or other reasonable documentary proof, is required in order to make a warranty claim. This warranty does not include any accessories or component.

Contact Us

To make a warranty claim, you must contact our customer service team via telephone at **+1-800-870-2618**, or via email **support@monerator.com**.

Implied Warranties

The limited warranty stated herein is in lieu of all other express warranties. In no event shall any implied warranties, including but not limited to any warranties of merchantability, fitness for a particular purpose or non-infringement, extend beyond the applicable warranty period identified in the limited warranty section above.

Limitation of Liability

The foregoing provisions state Gusto Power Station's entire liability, and your exclusive remedy, for any breach of warranty, express or implied.

In no event will Gusto Power Station be accountable for any consequential or incidental damages arising from any use or malfunction of any Gusto Power Station Product, or from any breach of warranty, include damage to other devices. In no event will Gusto Power Station's liability for any claim, whether in contract, warranty, tort (including negligence and strict liability) or under any other theory of liability, exceed the amount paid by you for the Gusto Power Station Product.