DURACELL®

G800

PORTABLE POWER STATION

USER MANUAL



IMPORTANT SAFETY INFORMATION



1. Read all the instructions before using the G800 Portable Power Station.
2. To reduce the risk of injury, close supervision is necessary when the G800 is used near children.
3. Do not expose the G800 to rain or snow.
4. Use only recommended Duracell accessories and charging cable.
5. Do not expose the G800 to fire or excessive temperature. Any such exposure to fire or temperature above 140°F (60˚C) may cause an explosion. Do not use near flammable gases or fumes.
6. Do not use the G800 with damaged wires or plugs. It may cause an electric shock.
7. Do not use the G800 if it is damaged or modified. Damage or modification of the G800, including the lithium-ion battery pack within the G800, may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
8. Make sure to use the G800 in a ventilated environment. Do not restrict the ventilation of the G800 in any way during usage.
9. During storage keep the G800 in a dry and ventilated place to avoid moisture and electric shock.
10. The G800 unit has no serviceable parts.
11. Do not disassemble, repair, or modify the G800 or the battery pack. It may cause fire, explosion, injury, and unpredictable risks.
12. Do not remove power cables by pulling on the cable itself, as it may fray and cause a short circuit. Cables should be properly removed by holding their connectors and pulling.
13. AC output is a pure sine wave AC waveform. See caution statement on the next page before connecting the appliances to the G800 Unit.
14. Please visit www.duracell.com or call Duracell Consumer Relations at 800-551-2355 if you experience any problems with the G800.

If instructions are not followed, it can cause hospitalization, serious injury, or death. Serious injuries include blindness, burns, electric shock, etc., leading to complications.

WARNING AND HAZARD TYPES

ELECTRIC SHOCK HAZARD
Do not subject the G800 Unit to mechanical shock. The G800 generates the same potentially lethal 120V AC voltage as a standard household wall outlet. To reduce the risk of fire or electric shock, do not open the enclosure or expose the G800 to rain or moisture. Do not insert foreign objects into the AC connection or the ventilation holes. All AC plugs must be properly inserted and avoid using damaged cables. Do not operate outside of its operating temperature range of 4°C to 40°C.

FIRE HAZARD
Do not burn or incinerate this G800 or battery pack. Exposing the G800 unit to heat or fire may cause an explosion, resulting to personal injury or damage. Do not use near flammable gases or fumes or apparatus that produces large amounts of heat.

APPLIANCE CAUTIONS
The G800's AC output is an 800W 120V/60Hz pure sine wave, intended for powering mid Power devices and portable electronic devices. The AC output can also be used to power devices like refrigerators, fans, lights and charging of other portable electronic devices such as Laptops, Tablets, and Mobile phones. Devices rated more than 800W (e.g. Toaster, Coffee Maker, Hair Dryer etc) will not function.

DO NOT plug small appliances into the G800's AC receptacle to directly recharge their nickel-metal hydride batteries.

FCC STATEMENT

This device complies with Par 15 of the FCC Rules and Class B Digital Device limits which provide protection against interference in a residential installation. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause interference to radio/TV communications for which the manufacturer is not responsible. Should interference occur, correct by connecting the device to another outlet on a different circuit.

For more information regarding our product line, customer service, and warranty information please contact Duracell Consumer Relations at 800-551-2355 or visit our website: www.duracell.com

INCLUDED IN THE PACKAGE

1. Power Station
2. AC Charging Cable

G800 DETAILS





Buttons on the G800:
There are 5 buttons on the G800:

1. DC Output On/Off Button (With Built-in LED light)
2. Ambient Light Button
3. Display Button
4. AC Output On/Off Button (With Built-in LED light)
5. FAST Charge Button



LCD SCREEN

Content of Display in LCD Screen

Battery SOC% and Level

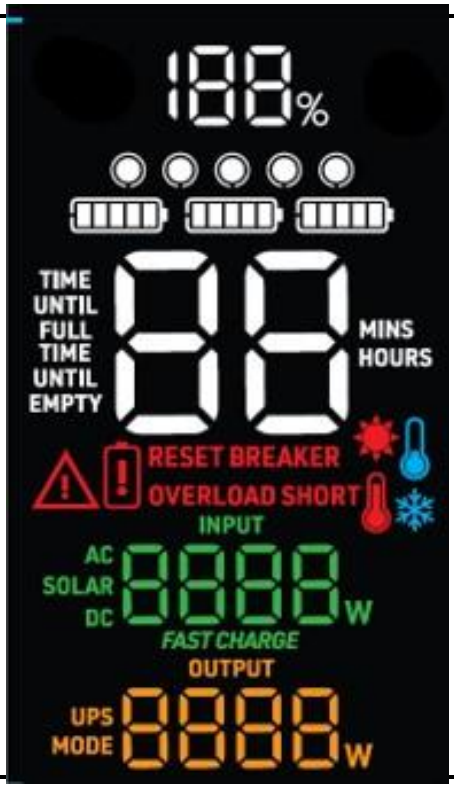
Discharge Time/ Time Until Empty, Recharge Time/Time Until Full

INPUT Section displays Watts and Sources for Inputs: AC, SOLAR, DC and FAST CHARGE Mode (When Respective Icon Turns On)

OUTPUT Section Displays Watts and Sources for Output in the Below Modes:

- Bypass Mode: When AC Icon turns On Input section.
- UPS/ Inverter Mode: When UPS Icon turns On or DC (When the AC Icon in the Input Section and UPS Icon is Off).

Icons: "ERROR", "OVERLOAD", "SHORT", Low-Temp Warning icon, High-Temp Warning icon, Battery Fault icon and RESET BREAKER.



CHARGING YOUR G800

Before using or storing the Unit, please connect the charger cable to the AC Input Port and fully charge the Unit. The LCD screen will display the charge status and getting to 100% could take up to 2-4 hours depending on the initial battery level.

If charging from the car, connect the compatible CLA to XT-60 car charger cable (Car charger cable not included) to your vehicle's CLA socket (cigarette lighter port) and to the Unit's XT-60 DC Input Port.

The car battery may not be able to charge the Unit properly from the Vehicle's CLA socket when the Vehicle's Engine is turned OFF.

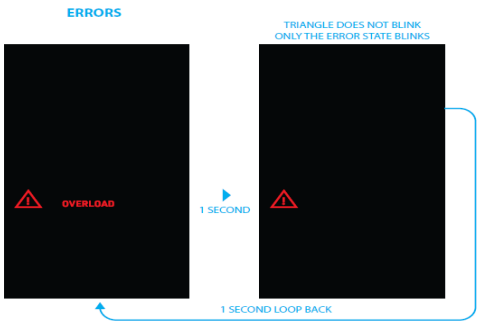
If charging from Duracell's G-Solar Panel (sold separately), connect it to the XT-60 DC input using the Anderson to XT-60 accessory converter provided along with the G-Solar. The maximum Input power allowed for solar charging is 180W and the maximum Voltage is 30V.

USING YOUR G800

1. Press any power button to turn on the G800. The LCD screen will light up and the battery level indicator will display.
2. For all ports, press the power button of the ports you wish to use (DC (USB/CLA), light or AC120V).
3. The LED light on the button will be lit up, indicating that the ports are on and ready to use.
4. Connect your device to the desired port/outlet.
5. AC120V outlets can only charge/power devices rated less than 800 Watts. Once this limit is exceeded, the G800 will shut off automatically. The overload icon will display on the screen and the G800 will beep three times.
6. The AC120V port output will turn off automatically after 2 hours if no load is detected to save battery life.
7. The DC port or car charger port will turn off automatically in 8 hours if no load is detected to save battery life.
8. The LCD screen will automatically shut down after 60 seconds when all ports are off or not in use.
9. If the G800 won't be used for a long time, it should be recharged every 3-6 months and keep the power above 80%. Please keep it in a cool and dry place.
10. An error code will be shown on LCD display when the G800 detects an error or protection being activated.

ERROR CODES AND TROUBLESHOOTING

CODE	PROBLEM	SOLUTION	FAULT ICON ACTIVATED	ALARM
01	Battery communication abnormal	Contact Duracell Consumer Relations		Beep three times
02	AC120V communication abnormal	Contact Duracell Consumer Relations		
08	CLA power undervoltage protection	Wait for the voltage to recover		
10	Battery under voltage protection	Charge the G800 until the SOC is greater than 5% and the G800 will recover automatically		
11	Battery overvoltage protection	Remove the charger and all loads connected to the G800. Wait for it to be recovered automatically.		
22	AC120V output protection	Remove the load and press the AC button		
23	AC120V charge protection	Remove the AC120V charger and wait for the fault to recover.		
24	Peak voltage charging protection	Remove the Solar panel and make sure the solar panel voltage is ≤ 30V		
25	Peak voltage reverse protection	Remove the solar panel connection from the G800. Check and make sure you are connecting the solar panel correctly		
28	Discharge overcurrent protection	Remove the Load and Wait for 3 seconds. The G800 will recover automatically.		
33	Wake failure protection	Fault Trigger: charge MOSFET off and discharge MOSFET off Protection activated: Wake failure protection Fault icon display duration: Until recovery. Recovery trigger: charge MOSFET on or discharge MOSFET on		
34	Charge protection	Remove the charger from the G800 and wait for it to be recovered		
35	Discharge protection	Remove all the loads connected to the G800 and wait for the G800 to be recovered		
03	DC overtemperature protection	Wait for the temperature to go down for Carport <80°C & 3sec		
29	Discharge high-temperature protection	Remove the load and wait for the G800 to cool down.		
31	Charging high-temperature protection	Wait for the battery to cool down below 45°C and the G800 will recover automatically		
37	Inverter overtemperature protection	Remove all the loads connected to the G800 and wait for the G800 to recover automatically.		

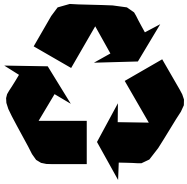
CODE	PROBLEM	SOLUTION	FAULT ICON ACTIVATED	ALARM
05	DC undervoltage protection	Press DC button		Beep three times
07	DC overcurrent protection 1	Press DC button		
13	USB output undervoltage	Press DC button		
15	USB1 Output overload	Press DC button		
16	USB2 Output overload	Press DC button		
17	USB3 Output overload	Press DC button		
18	USB total output overcurrent	Remove the device connected to the USB port and the G800 will recover		
19	Power delivery port output protection	Remove the device connected to the USB port and the G800 will recover		
20	Power delivery 2 output protection	Remove the device connected to the USB port and the G800 will recover		
36	AC120V overcurrent protection	Remove all the loads connected to the G800 and press the AC120V button		
21	Low battery protection	Charge the G800 until the SOC increases above 5% and the fault will clear automatically		
26	Fuse protection	Remove the load and press the reset breaker button		
27	Undervoltage protection	Remove the load and charge the G800 and it recovers automatically		
30	Low-temperature discharge protection	Remove the load and wait for the G800 temperature to recover		
32	Charge low-temperature protection	Wait for the battery temperature>7 degrees C and the G800 will recover automatically		

STORAGE AND MAINTENENCE

1. Please keep the G800 in a cool and well-ventilated environment, away from any source of water, heat, or flammable gases.
2. For long-term storage, please recharge the G800 every 3-6 months to make sure it's always above 80%.

If you are still experiencing problems with your Duracell Power Station, please visit www.duracell.com or call Duracell Consumer Relations at 800-551-2355.

DISPOSAL AND RECYCLING



Recycle the G800 responsibly and according to local, state, and national regulations applicable to lithium-ion rechargeable batteries.

LIMITED WARRANTY INFORMATION

Duracell provides a limited warranty that covers defects in materials and workmanship for the Duracell Portable Power Stations, Portable Charging Hubs, and Solar Panels ("Products") under normal use for a period of two (2) years from the date of purchase by the original end-user when any of the Products are purchased from an authorized seller that is located within the United States and any of the Products are used within the United States. Keep a copy of your purchase receipt as proof of purchase. The limited warranty of any of the Products is limited only to the units of the Products when used in accordance with the operating instructions and the system environment. This limited warranty does not cover: (1) damaged caused by accident, abuse, misuse, or external causes; (2) damage caused by unauthorized servicing of any of the Products; or (3) normal wear and tear. Duracell's liability under this warranty is limited to the replacement or repair of the Product.

The original end-user acknowledges and agrees that:

- Duracell is not liable for damage or loss resulting from the use of any Products or for any claim from a third party.
- Duracell is not liable for problems with any electronic devices or home appliances or any other hardware arising from the use of any Products, the suitability of any of the Products for specific hardware, software, or peripherals, operating conflicts with other installed software, data loss, or other accidental or unavoidable damages.
- Duracell is not liable for incidental, consequential, indirect, or financial damages, lost products, or claims from third parties resulting from the use of any of the Products.

How to obtain warranty assistance: Contact Duracell Consumer Relations at 1.800.551.2355. Provide the purchase receipt for the Product.

SPECIFICATIONS



MODEL	PPS800-620-120-01
BATTERY	
Chemistry	Li-Ion NMC
Maximum Capacity	620Wh (24Ah@25.83V)
Lifecycles	500 Cycles to 80% capacity
Storage Requirement	Recharge every 3-6 months
Protection Systems	Short Circuit Protection, Over / Under Temperature Protection, Overload Protection, Input Reverse Polarity Protection, Input Over Voltage Protection, Input Under Voltage Protection, Battery Under and Overvoltage Protection.
CHARGE TIME	
AC input (Normal charging)	4 hrs.
AC input (Fast charging)	2.5 hrs.
Solar Panel (Duracell G-Solar Panel 100W)	10-12 hrs. (Full sun)
GENERAL	
Weight	8.8kg±0.5kg (19.4±1.1lbs)
Dimensions(L*W*H)	317±2 * 212±1 * 292±5mm (12.5±0.08 *8.3±0.04 *11.5±0.2 inches)
Discharging Temperature	14 to 104˚F (-10 to 40˚C)
Charging Temperature	39.2 to 104˚F (4 to 40˚C)
Storage Temperature	42 to 85˚F (6 to 29˚C)

Certifications	FCC/DOE/ETL/RoHS/Prop-65/TSCA/PFAS
Warranty	24 Months

FREQUENTLY ASKED QUESTIONS



1. What battery does my G800 use?
   It uses high performance lithium-ion cells.
2. What devices can my G800 power?
   With 800W continuous power, the Unit can power a wide range of electronic devices and home appliances. We recommend checking the rated power of equipment to be connected to this Unit to make sure the sum of all of them do not exceed 800W.
3. How long will my G800 keep my devices running?
   That will depend on the power consumption of each connected device. The LCD screen will indicate the remaining run time based on the connected load.
4. How to store my G800?
   Before storing, please turn off the Unit first and then store it in a dry, ventilated place at room temperature (42-85°F). Do not place it near water sources. For long-term storage, recharge every 3-6 months to ensure the battery is always above 80% to protect the battery life.
5. Can I recharge my G800 while using it?
   Yes, the G800 can be charged and used at the same time, but it will extend the recharge time.
6. Can my G800 be used as an Uninterrupted Power Supply (UPS)?
   Yes, the G800 has built-in UPS function which will change over from Wall AC outlet power to backup mode in less than 15ms and thus can be used as a Home UPS.
7. Can I bring my G800 on a plane?
   Check with the airline.