

## Portable Power Station - 1800W, Lithium-Ion (LFP), AC, DC, USB-A, USB-C, QC 3.0, LCD

MODEL NUMBER: **GC1800L**



Emits 1800W of clean, quiet off-the-grid power to keep equipment running in outdoor or indoor applications.

### Features

#### Lithium-Ion Portable Power Station Keeps Your Electronic Devices Operating Anywhere

The GC1800L features a lithium iron phosphate battery (LiFePO4) that provides pure sine wave battery power to essential electronics in industrial applications. A clean, quiet alternative to gas- or diesel-powered generators, this portable power station is ideal for locations where utility power is unreliable or unavailable, such as construction sites, workshops, fleet trucks, field medical sites, food trucks, farmer's markets and campsites.

#### Multiple Power Outputs Match a Wide Range of Devices

Four NEMA 5-20R AC outlets (120V), two 5.5 mm DC outputs (11–14V 10A), a CLA (cigarette lighter) output, two universal USB-A ports, two Quick Charge (QC) 3.0 USB-A ports and two USB-C charging ports power and charge a variety of equipment, including auxiliary lighting, power tools and pumps, appliances, computers and printers, fans, heaters, even a coffee maker and toaster for a quick breakfast in camp.

#### Safe Off-the-Grid Power That Goes Where You Go

The GC1800L provides up to 1800 watts of backup power (or emergency backup power) that can be used on job sites or in work trucks. Built-in short-circuit and overpower protection helps keep your connected devices safe. Cooling vents deliver outside air that prevents internal overheating. A front-panel LCD display gives you input, output and battery capacity information at a glance.

#### Rechargeable Power Source Allows a Long Life

The LiFePO4 batteries can be charged and discharged more than 3000 times before capacity begins to wane. For your convenience, batteries can be charged in three different ways: a standard AC wall outlet using the included AC adapter, a vehicle's CLA connector or solar panels (purchased separately).

#### Convenient to Take with You Indoors or Outdoors

Built-in handles make it easy for you to carry the GC1800L wherever needed. Because the portable power station is battery-powered, unlike a gas generator, it requires no ventilation and can be used indoors. It also runs quietly. The portable power station weighs 42.7 pounds (19.4 kilograms).

## Specifications

### Highlights

- Emission-free alternative to gas-powered generators can be used indoors and outdoors
- Ideal for locations or applications where utility power and generators are impractical
- AC/DC/USB-A/USB-C/QC 3.0/DC5521 outputs can power a wide range of equipment
- Offers multiple recharging options for your convenience, such as a standard AC outlet
- Durable easy-grip handles enable easy carrying to the worksite or campsite

### Applications

#### Education

- K-12 Classroom
- University Classroom / Lab

#### Recreational

- RV / Personal Backup
- Off-grid

#### Municipal / Institutional

- Special events Entertainment

#### Construction (Job Sites)

- Mobile Office Equipment

#### Medical

- Hospitals / Clinics / Labs
- Refrigeration, Medical Dispensing

#### Retail / POS

- Pop Up Stores / Food Trucks
- Refrigeration

#### Military Locations

- Mobile office backup

#### Computers & Networks

- Temporary mobile systems

### Package Includes

- GC1800L Portable Power Station, 1800W
- AC power adapter
- Owner's manual



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OVERVIEW	
UPC Code	037332291028
Charging Form Factor	Direct Plug-In
Product Type	Portable Power Station
Device Compatibility	Amazon Kindle; Chromebook; Computer; Laptop; Phone; Radio; Tablet
Technology	USB
Country/Region	North America
INPUT	
Input Phase	Single-Phase
Power Input Connections	DC7909; IEC-320-C14
AC Power Adapter Plug(s)	NEMA 5-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-120 VAC, 60Hz, 15A
AC Power Adapter Cord Length (ft.)	6.56
Solar Panel	Supports up to 400W input.
Nominal Input Voltage(s) Supported	120V AC
Voltage Compatibility (VDC)	40-57.6
Input Cord Length (ft.)	6.56
Input Cord Length (m)	2.00
OUTPUT	
Power Output Connections	(4) NEMA 5-20R; (2) USB A (FEMALE); (2) USB B (FEMALE); (2) USB C (FEMALE)
Frequency Compatibility	60 Hz
Pure Sine Wave Output	Yes
Output (Watts)	1800
Output AC Waveform (Battery Mode)	Pure Sine wave
Output Receptacles	(4) 5-20R
Continuous Output Capacity (Watts)	1800
Peak Output Capacity (Watts)	3000
Overload Protection	Over current protection, over/under voltage protection, short circuit protection, over/under frequency protection Overcurrent protection: current >53A; Effective current > 32.5A; Undervoltage protection: average voltage <170V; Overvoltage protection: average voltage > 276V
Output Voltage (VDC)	12.6
BATTERY	
Battery Type	Lithium-ion (LiFePO4)
Expandable Runtime	No



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Battery Charge	4000 cycles
Lithium Batteries	Yes
Internal Battery Details	LiFePo, Prismatic Cell, UL 1973
Battery Recharge Time	1.7 hours
Battery Recharge Options	AC Outlet; Solar Panel
Capacity (Wh)	1229
<b>CONNECTIONS</b>	
Number of Ports	13
<b>VOLTAGE REGULATION</b>	
Overvoltage Correction	Over current protection, over/under voltage protection, short circuit protection, over/under frequency protection Overcurrent protection: current >53A; Effective current > 32.5A; Undervoltage protection: average voltage <170V; Overvoltage protection: average voltage > 276V
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Front Panel LCD Display	Displays input, output, status alerts and battery information
LED Indicators	Short-press LED light button to switch four gears, which are low light, medium light, high light, SOS and light off. Long-press LED light button to exit AC automatic shutdown setting to toggle the battery icon flash.
<b>CHARGING</b>	
Number of Charging Ports	13
Total Charging Amps	78
Total Charging Watts	1500
Charging Method	AC
Charging Port Type	(4) NEMA 5-20R; (2) USB A (FEMALE); (2) USB B (FEMALE); (2) USB C (FEMALE)
Charging Ports Details	AC Output x4 (Inverter Mode) Pure Sine-Wave, Total 1800W (Peak 3000W), 120V~, 60 Hz, 15A AC Output (Bypass Mode) 100-120V~, 60 Hz, 1500W Max., 12A Max. USB-A1/A2 5V DC 3A; 9V DC 2A; 12V DC 1.5A, 18W Max. USB-A3/A4 5V DC 2.4A, 12W Max. USB-C1/C2 5/9/12/15V DC 3A; 20V DC 5A, 100W Max. Auxiliary Power Outlet* 12.6V DC 10A, 126W Max. DC5521 Output X2* 12.6V DC 3A
Smart Charging Details	Simultaneous charge / discharge at the same time, supports PV + AC charging - 1.7 hours to full charge in fast charge mode.
Compatible Devices	Chromebook; Laptop; Portable Speaker; Smartphone; Tablet
<b>PHYSICAL</b>	
Color	Black
Cooling Method	Air



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Shipping Dimensions (hwd / in.)	18.70 x 13.80 x 15.90
Shipping Dimensions (hwd / cm)	47.50 x 35.05 x 40.39
Shipping Weight (lbs.)	48.50
Shipping Weight (kg)	22.00
Unit Dimensions (hwd / in.)	17.000 x 10.600 x 11.800
Unit Dimensions (hwd / cm)	43.18x26.92x29.97
Unit Weight (lbs.)	35
Unit Weight (kg)	15.88
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	68° to 86°F (20° to 30°C)
Storage Temperature Range	-4° to 113°F (68° to 86°F preferred) -20° to 45°C (20° to 30°C preferred)
Operating Humidity Range	10%-85% (non-condensing)
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time (Line Power to Battery Mode)	14mS
<b>FEATURES &amp; SPECIFICATIONS</b>	
Overcurrent Protection	Yes
Oversupply Protection	Yes
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); UL 1778; UL 2743
Product Compliance	FCC Part 15 Class B (USA); ICES-003 Issue 7; RoHS
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Product Warranty Period (U.S. & Canada)	2-year limited warranty

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