



Portable Power Generator

OWNERS MANUAL

MODEL
SL1466

PLEASE SAVE THIS OWNERS MANUAL AND READ BEFORE EACH USE. This manual will explain how to use the unit safely and effectively. Please read and follow these instructions and precautions carefully.

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1. IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS

- 1.1 **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions.
- 1.2 This product is not intended for use by children.
- 1.3 If someone else uses the unit, ensure they are well informed on how to use it safely, and have read and understood the operating instructions.
- 1.4 Do not use near flammable fumes or gases, such as in the bilge of a gasoline-powered boat or near propane tanks.
- 1.5 Do not use in an enclosure containing automotive-type lead-acid batteries.
- 1.6 Do not expose the unit to temperatures over 104 °F (40 °C).
- 1.7 Do not operate the unit with damaged cord or plug – replace the cord or plug immediately.
- 1.8 Do not recharge the unit with a damaged extension cord.
- 1.9 Do not operate the unit if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified service person.
- 1.10 Do not disassemble the unit. If repair is required, contact Customer Service for assistance.
- 1.11 To reduce risk of electric shock, unplug the unit from the outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- 1.12 The unit gets uncomfortably warm during use and must have proper ventilation. Ensure at least 3 in. (7.5 cm) air space is maintained on all sides of the unit.
- 1.13 Do not set the unit on flammable materials, such as carpeting, upholstery, paper, cardboard, etc. During operation, keep unit away from materials that can be affected by high temperatures, such as blankets, pillows and sleeping bags.

2. PERSONAL SAFETY PRECAUTIONS

WARNING! Restrictions on Use.

- 2.1 **This unit may not be used with life support devices or systems.** Failure of this device can reasonably be expected to cause failure of that life support device or system, or to affect the safety or effectiveness of that device or system.
- 2.2 When working on electrical equipment, always ensure someone is nearby to aid you in case of an emergency.

3. ASSEMBLY INSTRUCTIONS

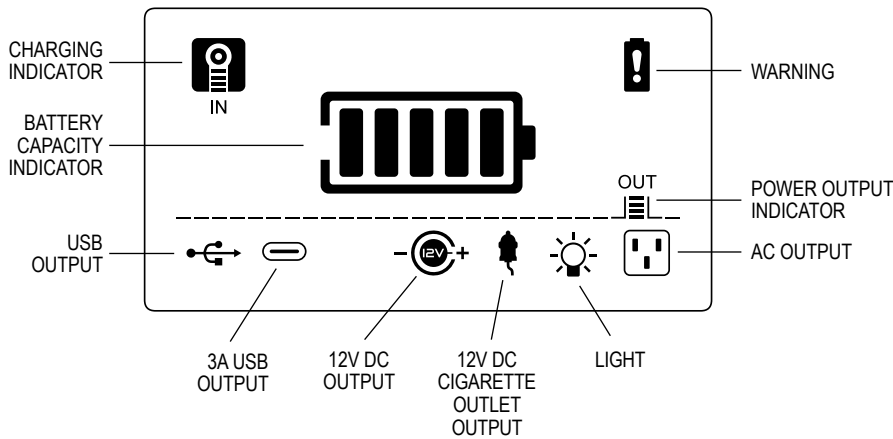
- 3.1 Remove all cord wraps and uncoil the cables prior to using the unit.

4. FEATURES

1. Handle
2. AC charger input socket
3. LED Light
4. Light button
5. 2.4A USB ports (3)
6. 3A USB port
7. USB output button
8. 12V DC output ports (2)
9. 12V DC cigarette outlet output port
10. DC output button
11. 110V AC power outlets (2)
12. AC output button
13. Main Power button
14. LCD display



5. LCD SCREEN



6. OPERATING INSTRUCTIONS

IMPORTANT! Charge immediately after purchase and when battery level is below 40%, to keep the internal battery fully charged and prolong battery life.

POWERING ON

Press the ON/OFF power switch. The unit will initialize, and all icons on the LCD screen will activate. If normal function is detected, the screen will return to its normal display.

CHECKING THE LEVEL OF THE INTERNAL BATTERY

The Battery Capacity Indicator on the LCD display will show the battery's charge level in 20-percent increments. For best performance, the battery capacity should be 20% or greater.

CHARGING THE INTERNAL BATTERY

NOTE: Do not use the unit while charging its internal battery.

AC adaptor

1. If the AC Output LED is lit, press the AC button to turn off before charging.
2. Connect the provided AC charger to the AC input socket on the front of the unit. Plug the charger's power cord directly into a live grounded 120V outlet. Charging will start automatically, and the Charging and the Battery Capacity indicators will flash.
3. When the internal battery is fully charged, all five bars of the Battery Capacity indicator on the display will show. After 10 seconds, the display will turn off. Complete charging will take approximately 12 hours.
4. When the unit is fully charged, unplug the charger from the 120V outlet and then from the unit.

Solar Charging (60W panel not included)

1. If the 12V DC Output LED is lit, press the DC power button to turn off before charging.
2. Place the solar panel (not included) in direct sunlight. Do not expose the power station to direct sunlight or wet conditions.
3. Connect your 3.5mm solar panel output cable to the DC input port of the unit. Charging will start automatically, and the Charging and the Battery Capacity indicators will flash.
4. When the internal battery is fully charged, all five bars of the Battery Capacity indicator on the display will show. After 10 seconds, the display will turn off. Complete charging will take approximately 12 hours.
5. When the unit is fully charged, unplug the solar panel from the unit.

POWERING A 12V DC DEVICE

NOTE: Do not power a 12V device while charging the internal battery.

12V DC Output

1. Make sure the device to be powered is OFF before inserting the 12V DC plug into one of the two 12V DC output ports.
2. Plug the 12V DC device into one of the 12V DC output ports and turn on the 12V DC device (if required). Press the DC button. The 12V DC output, 12V DC Cigarette Outlet and Power Output indicators will show on the display.
3. When finished, press the DC button, turn off the DC device (if required) and unplug from the DC output port.
4. Recharge the unit when the battery level is below 40%.

12V DC Cigarette Outlet plug

1. Make sure the device to be powered is OFF before inserting the 12V DC cigarette outlet plug into the 12V DC cigarette outlet socket.
2. Plug the 12V DC device into the DC cigarette outlet socket and turn on the 12V DC device (if required). Press the DC button. The 12V DC output, 12V DC Cigarette Outlet and Power Output indicators will show on the display.
3. When finished, press the DC button, turn off the DC device (if required) and unplug from the 12V DC Cigarette Outlet socket.
4. Recharge the unit when the battery level is below 40%.






USING THE USB PORTS

Three USB ports provide 2.4A at 5V DC and one USB port provides 3A.

1. Plug the device into one of the USB ports on the front panel.
2. Press the USB power button.
3. Turn on the USB device, if necessary. The USB, USB and Power Output indicators will show on the display.
4. When finished, press the USB power button, turn off the USB device (if required) and unplug from the USB port.
5. Recharge the unit when the battery level is below 40%.

USING THE LED LIGHT

Choose from Normal, SOS and Emergency Flash modes.

1. Press the  button on the side of the unit for 2 seconds to turn on the LED light. The icon  will show on the LCD screen.
2. Press the  button again for SOS mode.
3. Press the  button once more for emergency flashing.
4. Long press the  button for 2 seconds to turn off the LED light.

USING THE AC POWER OUTLETS


The SL1466 is equipped with a 500W pure sine wave inverter, which produces power for all electronic devices and appliances.

It is important to know the continuous wattage of the device you plan to use with the AC outlets. The unit must be used with devices drawing 500 watts or less.

Devices such as fans or electric motors require additional power to start (commonly known as the “starting” or “peak” power). The generator can supply a momentary surge in wattage of as high as 1000W for less than 1/10 of a second; however even devices rated less than the maximum 500 watts can exceed the inverter’s surge capability and cause an automatic overload shutdown.

Do not use the inverter with a product that draws a higher wattage than the inverter can provide, as this may cause erratic operation.

CAUTION: Always run a test to establish whether the inverter will operate a particular piece of equipment or device.

In the event of a power overload (noted with a flashing  Warning icon), the inverter is designed to automatically shut down. This safety feature prevents damaging the inverter while testing devices and equipment within the 500-watt range.

If powering more than one device, start one device at a time to avoid a power surge and/or inverter overload. The surge load of each device should not exceed the inverter’s Continuous Operation wattage rate.

You can use an extension cord from the inverter to the device without significantly decreasing the power being generated by the inverter. For best operating results, the extension cord should be 16 AWG (1.31 mm²) or larger and no longer than 50 feet.

WARNING! RISK OF ELECTRIC SHOCK.

Incorrect operation of your inverter may result in damage and personal injury. The inverter output is 110V AC and can shock or electrocute the same as any ordinary household AC wall outlet.

NOTE: The maximum continuous load is 500 watts. Do not use the AC outlets with a product that draws more than 500 watts, as this may cause erratic operation.

CAUTION:



- Do not connect an AC power source to the 110V AC outlets.

- Do not connect the unit’s AC power cord to its 110V AC outlets.

NOTE: Do not power an AC device while charging the internal battery.

1. Connect your AC-powered devices or small household appliances to one or more of the unit’s two AC outlets.

NOTE: Make sure the device to be powered is OFF before inserting the plug into the AC power outlet.

2. Press the AC Power button. The  AC Output icon will show on the display, to confirm that the unit is on and ready to provide AC power. The  Power Output indicator will also show on the display.

NOTE: Extended operation of an AC device may result in excessive battery drain.

3. Recharge the unit when the battery level is below 40%.

ESTIMATED RUN-TIMES



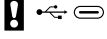


APPLIANCE TYPE	ESTIMATED RUN TIME	CHARGES
Jig Saw	2.4 hours	—
Projector	7 hours	—
12V Heated blanket	13 hours	—
12V Cooler	15 hours	—
Mini Fridge	20 hours	—
Television	21 hours	—
Drone	22 hours	103
Fan	26 hours	—
Router	54 hours	—
Table lamp	59 hours	—
Laptop	106 hours	12
LED lights	150 hours	—
Camera	190 hours	99
Radio	222 hours	—
Tablet	247 hours	15
Speaker	680 hours	44
Smartphone	765 hours	49

NOTE: Actual time may vary. Times are based on the internal battery being fully charged.

7. MAINTENANCE AND CARE

- Recharge the unit when the battery level is below 40%.
- Never completely discharge the internal battery.

8. WARNINGS

LCD DISPLAY SYMBOLS FLASHING	WARNING MODE	CAUSE	SOLUTION
	Keeps flashing 1 time per second	Charging fault (high or low temperature protection)	Wait until the battery pack temperature is back to normal; reconnect the charger to recharge.
	Flashing 1 time per second for 10 seconds, then off	DC output fault (over current or short-circuit protection)	Press DC output button to reset.
	Flashing 1 time per second for 10 seconds, then off	USB output fault (over current or short-circuit protection)	Press USB output button to reset.
	Flashing 1 time per second for 10 seconds, then off	AC output fault (high temperature, overload or short-circuit protection)	Press AC output button to reset.
	Flashing 1 time per second for 10 seconds, then off	Discharging high temperature protection	Wait until the battery pack temperature is back to normal, then press the Main Power Button to reset.

9. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Power-up failure	Under-voltage protection Abnormal load protection Damaged unit	Recharge unit. Remove loads and recharge unit. Contact customer service.
Charger fault	Unmatched charger Damaged charger Abnormal power supply or connection	Use only the included charger. Contact customer service for replacement. Reconnect the charger. If problem persists, replace the charger.
Solar panel charging fault	Over-current Weak sunlight Damaged solar panel Abnormal wiring-harness connection	Use only the recommended solar panel. Charge in a sunny place. Replace the solar panel. Reconnect the wiring-harness. If problem persists, replace the solar panel.
AC output fault	Battery under-voltage protection Discharge over-current protection Over-temperature protection Damaged unit	Charge the unit. Make sure loads are within allowed range (total ≤500W). Turn unit off, allow to cool down and then restart. Contact customer service.
Abnormal icon display	Abnormal loads Hardware fault Damaged LCD screen	Remove loads. Contact customer service. Contact customer service.
LCD screen fault	Damaged LCD screen	Contact customer service.

10. SPECIFICATIONS

Internal battery type.....	Lithium polymer
Capacity.....	535 Wh
AC charging input.....	24V, 2,5A
Inverter.....	500W (Pure Sine Wave)
AC output.....	2 x 110V/60 Hz 500W Max.
DC output.....	3 x 12V DC, 10A Max.
USB Output.....	3x 5V/2.4A Max.; 1 x 5V/3.0A Max.
Light.....	2W

11. REPLACEMENT PARTS

AC charger.....	930261007Z
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