

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

20g

VIKING®

COMPACT POWER PACK

**CHARGE
COMPLETELY
IMMEDIATELY
AFTER PURCHASE.**

**Fully recharge
after each use.**

**Fully recharge every
3 months to ensure
long battery life.**



Visit our website at: <http://www.harborfreight.com>
Email our technical support at: productsupport@harborfreight.com

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.


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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

Symbol	Property or Statement
V	Volts
~	Alternating Current
A	Amperes
CCA	Cold Cranking Amps
RC	Reserve Capacity
mAh	Milliamperere-hours
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.
	Read the manual before setup and/or use.
	WARNING marking concerning Risk of Fire. Follow connection procedure.
	WARNING marking concerning Risk of Explosion.

INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS


IMPORTANT SAFETY INSTRUCTIONS

⚠️WARNING

When using this product, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when the product is used near children.
3. Do not put fingers or hands into the product.
4. Use of an attachment not recommended or sold by power pack manufacturer may result in a risk of fire, electric shock, or injury to persons.
5. To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
6. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
7. Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
8. Do not disassemble the power pack, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
9. To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.
10. **WARNING – RISK OF EXPLOSIVE GASES.**
 - a. **WORKING IN VICINITY OF A LEAD ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS OF THE UTMOST IMPORTANCE THAT YOU FOLLOW THE INSTRUCTIONS EACH TIME YOU USE THE POWER PACK.**
 - b. To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of the battery. Review cautionary marking on these products and on engine.
11. **PERSONAL PRECAUTIONS**
 - a. Consider having someone close enough by to come to your aid when you work near a lead-acid battery.
 - b. Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
 - c. Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.

- d. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.
 - e. NEVER smoke or allow a spark or flame in vicinity of battery or engine.
 - f. Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
 - g. Remove personal metal items such as rings, bracelets, necklaces, and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.
12. When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.
 13. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
 14. Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
 15. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
 16. Attach output cables to a battery and chassis as indicated below. Never allow the output clamps to touch one another.
 - a. Use the Power Pack for jump-starting a LEAD-ACID battery only.
 - b. For emergency use only. Do not use the Power Pack as a replacement for a vehicle battery.
 - c. Be sure area around battery is well ventilated while battery is being jump-started.
 - d. NEVER jump-start a frozen battery.
 - e. Do not attempt to jump-start a vehicle with a non-rechargeable or defective battery.
 - f. Study all battery manufacturer's specific precautions for jump-starting.
 - g. **DO NOT TOUCH POSITIVE AND NEGATIVE BATTERY CLAMPS TOGETHER.**
 - h. Unplug the Power Pack from its Adapter before connecting its cables to a battery.
 - i. Connect and disconnect battery cable clamps only after setting any Power Pack switches to OFF position.
 - j. Connect cables to proper polarities. Connect red cable to positive battery terminal and black cable to vehicle chassis.
 - k. Locate Power Pack as far away from battery as battery cables permit.
17. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
 18. Store idle equipment. Always lock up tools and keep out of reach of children.
 19. Do not operate if Power Pack has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified technician.
 20. Do not leave Power Pack unattended while switched on. It could result in fire and property damage.
 21. Do not expose to rain or wet conditions. Water entering the Power Pack will increase the risk of electric shock.

22. Do not use an extension cord with this item.
23.  Wear ANSI-approved splash-resistant safety goggles and heavy-duty rubber work gloves whenever connecting, disconnecting, or working near battery. Battery acid can cause permanent blindness. Avoid touching eyes while working near battery.
24. Do not use Power Pack while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating Power Pack may result in serious personal injury.
25. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
26. Maintain labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
27. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



SAVE THESE INSTRUCTIONS.

GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes ordinances.

WARNING – Improper connection of the equipment grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Specifications

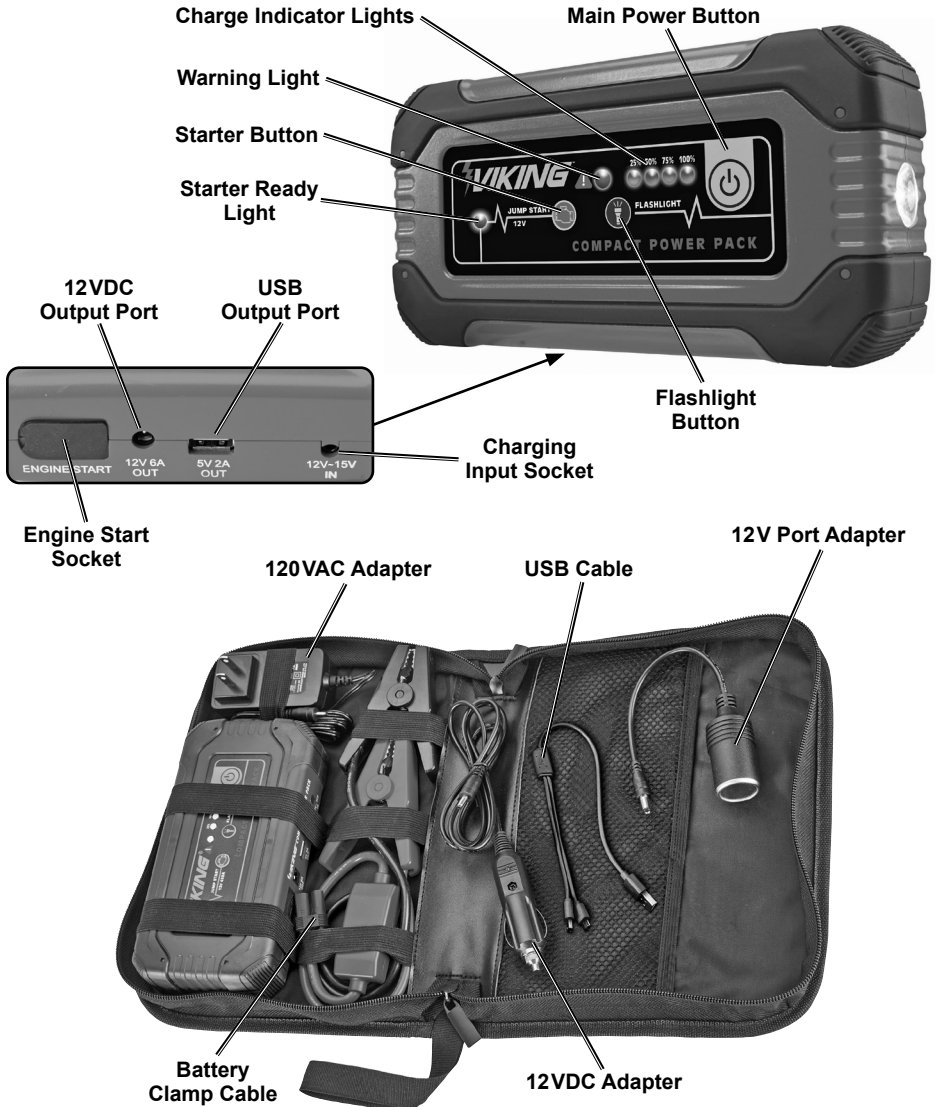
Starting Current	221A
Peak Current	450A
Battery	Lithium Iron Phosphate 12,000 mAh
12VDC Power Output	6A
USB Output	5VDC, 2A
LED Flashlight	3W / 250 Lumens

Setup - Before Use



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document including all text under subheadings therein before set up or use of this product.

Components and Controls



Charging the Power Pack

WARNING! TO PREVENT SERIOUS

INJURY: Only use the Chargers included with the Power Pack. Use of any other charger will damage the unit.

Always charge on a non-flammable surface in a well-ventilated area. Do not use the Power Pack while it is being charged.

Note: Before initial use, completely charge the Power Pack.

1. To check the battery power level, press and hold the Main Power Button about one second to turn on the Power Pack.

2. Power level is indicated by four blue indicator lights on the Control Panel marked 25%, 50%, 75%, and 100%. If all four blue indicator lights are lit, the battery is fully charged.
3. Recharge: a. When power level on Control Panel reads less than 100%. b. After each use. c. At least once every 3 months when not in use.

NOTE: FAILURE TO RECHARGE POWER PACK WILL VOID WARRANTY.

120VAC Charging

1. Plug the 120VAC Adapter into a 2- or 3-prong outlet.
2. Insert the Adapter's charging connector into the Charging Input Socket on the side of the Power Pack.
3. The blue indicator light on the Control Panel for the power level being charged will flash while charging, then stay lit when complete while the next higher level blue indicator light flashes while charging, and so on.

4. When the unit is fully charged all four blue indicator lights will remain lit.

Approximate AC Charge Time
3 hours

Figure A

5. When charging is complete unplug the 120VAC Adapter from its outlet and disconnect it from the Power Pack.

12VDC Charging

1. To charge the Power Pack from a vehicle's 12VDC power supply, plug the 12VDC Adapter into the vehicle's 12VDC outlet.
2. Plug the other end of Adapter into the Charging Input Socket on the side of the Power Pack.
3. Start the vehicle's engine to allow its alternator to charge the Power Pack.

Note: The vehicle's battery alone will NOT charge the Power Pack—the vehicle's engine needs to run.

WARNING! TO PREVENT

SERIOUS INJURY: Vehicle must be outdoors to prevent build up of deadly, odorless exhaust gases.

4. The blue indicator light on the Control Panel for the power level being charged will flash while charging, then stay lit when complete while the next higher level blue indicator light flashes while charging, and so on. When the unit is fully charged all four blue indicator lights will remain lit.

Approximate DC Charge Time
4–6 hours

Figure B

5. When charging is complete unplug the 12VDC Adapter from the vehicle's 12VDC outlet and disconnect it from the Power Pack.

Operating Instructions

Using the LED Flashlight

1. Press and hold the Main Power Button about one second to turn on the Power Pack. The blue indicator lights on the Control Panel will illuminate, indicating the unit is on.
2. To turn the Flashlight on, press the Flashlight Button.
3. For an SOS signal, press the Flashlight Button again.
4. For a flashing light, press the Flashlight Button again.
5. To turn the Flashlight off, press the Flashlight Button again.

Note: Flashlight will shut off automatically after 30 minutes.

Jump-Starting a Vehicle

Note: Read the vehicle owner's manual pertaining to jump-starting prior to using the Power Pack.

NOTICE: To avoid damage to the vehicle's electrical system, do not use the Power Pack on a vehicle that has no battery installed.

1. Verify that the Power Pack is fully charged and recharge as needed, following the instructions in *Charging the Power Pack* on page 7.
2. Turn off the vehicle ignition switch and all accessories (lights, radio, climate control, etc.).
3. Plug the Battery Clamp Cable into the Engine Start Socket on the side of the Power Pack.

WARNING! TO PREVENT SERIOUS INJURY: DO NOT TOUCH POSITIVE AND NEGATIVE BATTERY CLAMPS TOGETHER.

4. Connect the red Positive Battery Clamp to vehicle's positive battery terminal. Then connect the black Negative Battery Clamp to the vehicle chassis.

WARNING! TO PREVENT SERIOUS INJURY: DO NOT CONNECT TO THE NEGATIVE TERMINAL OF THE BATTERY.

5. When the correct connection has been made, press and hold the Main Power Button about one second to turn on the Power Pack. Press and hold the Starter Button about one second until the green light comes on indicating unit is ready to jump-start vehicle.

WARNING! TO PREVENT SERIOUS INJURY: RISK OF EXPLOSION.

If the Battery Clamps are connected incorrectly, a beep will sound and the red warning light on the Control Panel will light. Press and hold the Main Power Button to turn off the unit. Correct the connections and repeat step 5.

6. Attempt to start the vehicle. If the vehicle does not start after 5 to 8 seconds, stop and wait at least 1 minute before trying again.
7. After the vehicle is started, press and hold the Main Power Button about one second until the green indicator light goes out to turn off the unit. Remove the black Negative Battery Clamp first, and then the red Positive Battery Clamp.
8. Recharge the Power Pack.

Note: Jumpstart mode lasts for only one minute. After one minute, unit will shut down. Follow Step 5 to re-power unit.

Running/Charging DC Appliances

1. Verify Power Pack is fully charged and recharge as needed. Refer to *Charging the Power Pack* on page 7.
2. Make sure that the appliance to be powered is turned off and its power requirement does not exceed 6A.
3. Plug the 12V Port Adapter into the 12VDC Output Port on the side of the Power Pack.
4. Plug the appliance into the 12V Port Adapter.
5. Turn on the appliance.
6. When finished using, turn off and unplug the appliance.
7. Recharge the Power Pack.

Running/Charging USB Devices

1. Verify Power Pack is fully charged and recharge as needed. Refer to *Charging the Power Pack* on page 7.
2. Plug the supplied USB Cable (or the device USB cable) into the USB Output Port on the side of the Power Pack.
3. Plug the appropriate connector on the USB Cable into the device.
4. Press and hold the Main Power Button about one second to turn on the Power Pack. Turn device on, if necessary.
5. When finished using, unplug the device from the USB Cable.
6. Recharge the Power Pack.



Maintenance and Servicing



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠️ WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn Power Switch to its “off” position, unplug the Power Pack, and allow it to cool completely before performing any inspection, maintenance, or cleaning procedures.

1. **BEFORE EACH USE**, inspect the general condition of the Power Pack. Check for:
 - loose hardware
 - cracked or broken parts
 - damaged electrical wiring or cable insulation
 - any other condition that may affect its safe operation.
2. Keep unit clean and clamps free of dirt, debris, or grease.
3. **Li-Ion BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.**
Do not short, incinerate or open battery.
4. **AFTER USE**, wipe external surfaces of the Power Pack, Battery Clamps, and cords with clean cloth. Do not use flammable liquids or harsh detergents to clean the Power Pack.
5. Power Pack contains no user-serviceable parts. Service must be performed only by a qualified technician.
6. Fully charge battery and store the Power Pack and Accessories in the Carrying Case out of the reach of children.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Red warning light comes on and unit beeps.	Battery Clamps are connected backwards (reverse polarity) or there is a short circuit.	Turn Power Pack off and correct Clamp connections. Turn unit back on and resume operation.
Unit beeps.	<ol style="list-style-type: none"> 1. Overload on 12VDC output port. 2. Overload on USB output port. 	<ol style="list-style-type: none"> 1. Turn unit off and check that electronic device being powered does not exceed 6A load limit. 2. Turn unit off and check that electronic device being powered does not exceed 2A load limit.
Red warning light comes on.	Power Pack battery is overheated.	Wait five minutes for battery to cool, then resume operation.
Red warning light flashes.	Battery Clamp Cable malfunction.	Repair or replace Battery Clamp Cable.



Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

Parts List

Part	Description	Qty.
1	USB Cable	1
2	Battery Clamp Cable	1
3	120 VAC Adapter	1
4	12 VDC Adapter	1
5	12V Port Adapter	1

Record Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175370952 when ordering parts.

This has no user-servicable internal parts.
Do not open the housing.

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

FCC Statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

