



Product Data Sheet

POWERPRO 200

No. 69695 - 12/14



Sierra Wave® PowerPro 200 is a portable power center that utilizes an advanced lithium LiFePO4 rechargeable battery unlike other power centers or jump starters that use AGM or SLA batteries. The PowerPro will outperform them by providing steady power with up to 2000 charge cycles and one-year stand-by storage time.

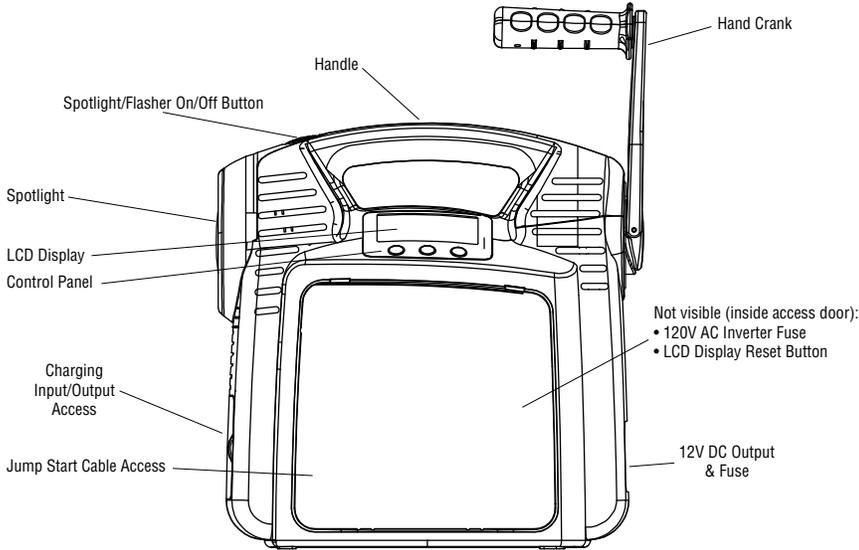
The PowerPro 200 can be recharged using standard 120V AC, 12V DC, or solar power. It also includes a dynamo hand crank power generator to use in emergencies or if other recharging methods are not available.

Once charged the PowerPro can distribute power through its 120V AC outlet, 12V outlet, USB port or through the 12V jump starter. The jump starter can be used on all automobiles, light and medium duty trucks, fleet service vehicles, forklifts and other construction vehicles. Also includes a 1-watt spotlight, red emergency flashers, 120V AC and 12V DC chargers, and a nylon carrying case to store everything in.

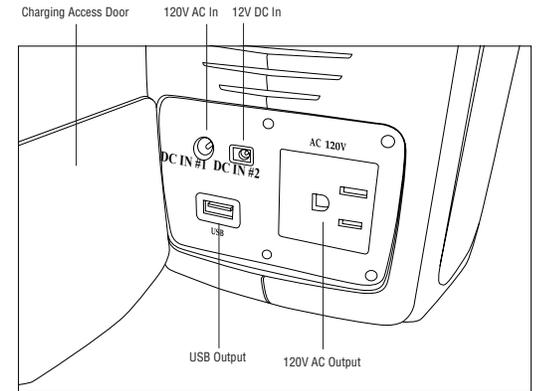
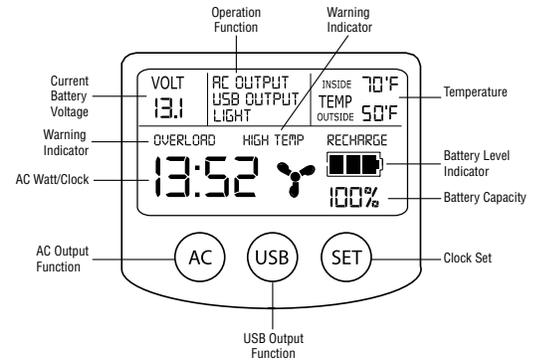
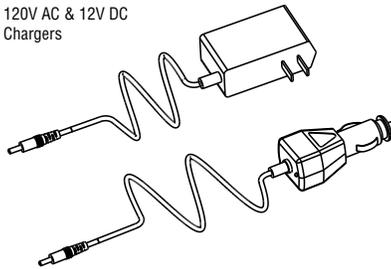
Packaging:

Each box:	13 lbs. (5.9kg)	1.41 CF (0.04 CM)	15" L x 11" W x 14.75" H
Master Carton (1/case)	14.5 lbs. (6.6kg)	1.57 CF (0.04 CM)	15.5" L x 11.5" W x 15.25" H

PARTS IDENTIFICATION



120V AC & 12V DC Chargers



OPERATING INFORMATION (see operating instructions for detailed information)

The PowerPro 200 offers portable power in a compact design to charge or operate a wide variety of products. Keep it stored fully charged to use in an emergency or take with you for remote power use. Home, office, recreation, remote worksite, dead vehicle batteries, the uses are endless.

Charging Times

Using the included 120V AC or 12V DC charger	10–12 hours
Dynamo Hand Crank	15–30 minutes @ 80 RPV = approx. 2–5% battery capacity
Using the Sierra Wave #9530 30-Watt Solar Collector (sold separately)	10–12 hours

Approximate Run Times (with a full battery)

1-Watt Spotlight (included)	120 hours
3 Red LED emergency flashers (included)	200 hours
Small electric hand tool (100W)	1.5+ hours
Small refrigerator (60W)	2+ hours
Laptop (65W)	2+ hours continuous or 2 full recharges
Smartphone	20+ recharges
Aervoe 20-Watt LED Work Light #8712	6+ hours
Max Burton 12V Digital Stove To Go #6905 (130W)	2+ hours depending on setting

The watt rating power should be listed on your device. If it is not listed, watts = volts x amps.

Modified Sine Wave Inverter Information: Do not connect any AC device over 200 watts. Modified sine wave power is suitable for most AC devices and power supplies used in electronic equipment, transformers, and motors. Do not use to power sensitive devices such as medical equipment, fluorescent lighting, some audio equipment and devices warning against using a modified sine wave inverter. Caution: using devices rated higher than 200W will cause the PowerPro to overheat and shut down. An in-line protection fuse and overload protection is included for added safety.

SPECIFICATIONS

Battery type	12Ah, 12V LiFePO4 (lithium iron phosphate)
Standby Time.....	Up to 12 months based on 75-100% capacity
120V AC Power Output	120V AC (+/-) 8V, 200 Watt/1.6A max modified sine wave
12V DC Output.....	12V DC/20A, 240W max, optimum use <200W
USB Output.....	5V DC/2.4A, 12W max
Jump Starter	12V DC/500 CCA max (battery voltage above 12.5V) 12V DC/250-400 CCA max (battery voltage above 12V)
Spotlight & Flasher	1 watt LED (100,000 hour life); 3 each red LEDs (100,000 hour life)
Hand Crank Generator	3-4A/16-20VDC
DC IN #1.....	17V DC/1.5A
DC IN #2	12-17V DC/1.5A
Overcharge Protection.....	Yes
Short Circuit Protection.....	Yes
Fuses.....	12V DC Fuse: 30 amp, 250V, ATC blade style (available at auto and electronics stores) 120V AC Inverter Fuse: 2.5A/250 DC 5x20mm glass
Storage & Operating Temperature.....	14° - 113°F (-10° - 45°C)
Charging & storage temp.....	32° - 113°F (0° - 45°C)
Weight	9.6 lbs. (4.4kg)
Dimensions.....	10.79" x 6.3" x 10.7" (274 x 160 x 272mm)

Battery Facts LiFePO4 vs. AGM

2000+ Charge cycles	500 Cycles
Very little battery drain when stored. Will last more than one year	3 months
Great for jump-starts. Delivers a quicker, stronger energy boost.	Lesser quality energy
Environmentally friendly, safe, reliable and non-explosive	Contains poisonous lead. Creates explosive gas when charging.
Lightweight - 9½ lbs.	An equal AGM battery would weigh 25 lbs.

Recommended Collection Device



9530 30-Watt Solar Collector

WARRANTY

1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase, for the first 30 days after purchase in accordance with the distributor/retailer's return policy. After 30 days of purchase and with a Warranty Registration card on file, the buyer can make a product warranty claim directly with Aervoe Industries, Inc. There is no warranty for buyer's remorse. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.