



LITHIUM PORTABLE POWER STATION MANUAL

PPS300L



SAVE THIS MANUAL FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS ARE INCLUDED IN THIS MANUAL

CUSTOMER SERVICE

SERVICE CLIENTELE

SERVICIO AL CLIENTE

1-855-888-3598

A-iPOWER Corp.

10887 Commerce
Way Unit A Fontana
CA 92337

www.a-ipower.com

Save this Manual: This manual contains important information regarding safety, operations, maintenance and storage of this product.

Before use read carefully and understand all cautions, warnings, instructions and product labels. Failure to do so could result in serious personal injury and / or property damage.

Congratulations on your purchase. A-IPOWER designs, builds, and supports all of our products to strict specifications and guidelines. With proper product knowledge, safe use, and regular maintenance, this product should bring years of satisfying service.

Every effort has been made to ensure the accuracy and completeness of the information in this manual, and we reserve the right to change, alter and/or improve the product and this document at any time without prior notice.

Since A-IPOWER highly values how our products are designed, manufactured, operated and serviced, and also highly value your safety and the safety of others, we would like you to take the time to review this product manual and other product materials thoroughly and be fully aware and knowledgeable of the assembly, operation, dangers and maintenance of the product before use. Fully familiarize yourself and others that operate the product as well with the proper safety and procedures before each use. Always exercise common sense and always proceed with caution when operating the product to ensure no accidents, damage, or injury occurs. We want you to continue use and be completely satisfied with your A-IPOWER product for years to come.

Have Questions or need assistance?

Do not return this product to the store!

We are here to help!

Visit our website:

www.a-ipower.com

-or-

Call our Customer Care Team Toll-Free at:

1-855-888-3598

For residents of California:

WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects and other reproductive harm.

*We are always working to improve our products. Therefore, the enclosed product may differ slightly from image on the cover.

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SAFETY & WARNING

We Appreciate Your Business.

Thank you and Congratulations on choosing A-IPOWER.

This Operating Manual has been designed to instruct you on the correct use and operation is our ultimate concern. Therefore please take the time to read the entire manual, especially the safety precautions. This will help you avoid potential hazards that may exist when working with this product.

WARNING:

READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/OR VOIDING OF YOUR WARRANTY. A-IPOWER WILL NOT BE LIABLE FOR ANY DAMAGES DUE TO FAILURE TO FOLLOW THESE INSTRUCTIONS. CUSTOMER SERVICE: 1-855-888-3598 , WWW.A-IPOWER.COM

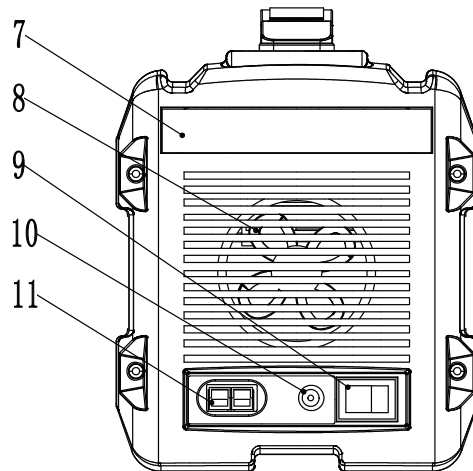
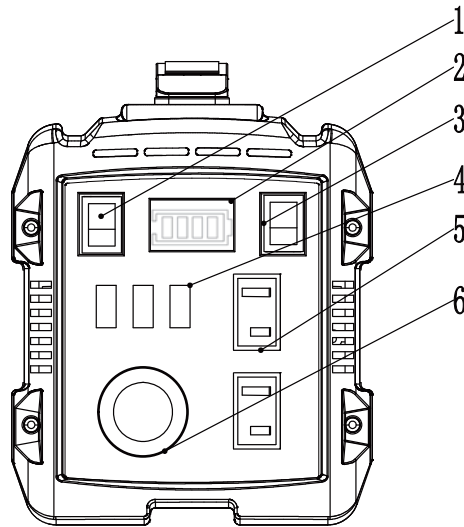
TO PREVENT ELECTRIC SHOCK, NEVER OPERATE THE PRODUCT IN RAIN OR SNOW

NEVER TOUCH THE POWER PACK WITH WET HANDS OR ITEMS AS ELECTRICAL SHOCK MAY OCCUR

DANGER:

Always use proper approved electrical cords, be sure to comply with all electrical codes. Do not use electrical cords that are worn or damaged.

CONTROL & FEATURES



1	DC Power Switch	7	LED Light
2	Battery Capacity Indicator	8	Cooling Fan
3	AC Power Switch	9	LED Light Switch
4	USB Output x 3	10	AC / DC Charging Port
5	120V AC Receptacle x 2	11	DC Solar Charging Port
6	12V DC Car Port		

GETTING STARTED

Product Specifications

Model No.	PPS300L
Rated Voltage and Frequency	120V/ 60HZ
Running VAC Amperage	2.1A
Rated Output	250W
Max Output	300W
THD	Low THD
AC Load	100%
Phase	Single
Cycle	>300 Times
Environment Temp.	4° F – 104° F (-20° C- 40° C)
Full Load Run Time	1H
½ Load Run time	2H
DC Volts	9 – 12.6V 5A
Battery Details	Lithium Battery 11.1 V/ 25 AH
Charger	DC 15V- 4A UL Listed Adapter
Charge Time	AC 7-8 Hour / DC - 10-12 Hour/ Solar- Varies on panel & Sunlight
DC Charging	Yes (Charger Included)
Solar Charging	Yes (15-18V/4A Max)
USB Socket	2 – 5V /2A USB / 1-5V / 1A USB
Receptacles	2- NEMA 120 VAC 2.5A / 1 12V DC 8.3A Adapter Plug
Overload	Overload safety protection integrated into inverter technology, turn Power switch Off and then back On to reset Power Pack
Case Material	Aluminum
Certification	ETL Certified
Accessories Included	Manual, Quick start Guide, DC Charging Cables, AC Charger
Net Weight/ Gross Weight	3.6 kg / 8.4 lbs / 4.5 kg / 13.2lbs
Product Dimension	11.7 X 5 X 5.9in. / 296 X 128 X 149.1 mm

PACKAGE CONTENT



CHARGING THE LITHIUM POWER PACK

Standard AC Charging



Use the AC charger provided, insert the pin into the charging port of the lithium power pack as shown & plug the other side into a standard wall outlet.

The lithium portable power station is equipped with red LEDs that indicate the charge status. The amount of LED bars indicate the charge level and flash from left to right while charging and a single bar will blink when the level is low.

12V DC Charging



The lithium power pack can be charged with a 12V source. Connect the adapter provided into any 12V adapter socket and insert the pin into the charging port of the lithium power pack as shown.

Solar Charging

The solar charging ports are located on the rear of the unit, lower left below the cooling fan.

Plug in the solar panels and charging cable (Sold Separately) into the solar charging ports.

****Solar charging times vary based on conditions of sunlight, remember to angle the solar panels towards the sun to maximize charging capabilities****

OPERATING THE LITHIUM POWER PACK

General Use

Select the preferred AC or DC rocker power switch and turn on, The LED Battery indicator will illuminate and display the Battery level of the Lithium Power Pack. Use desired ports as necessary based on device to be powered.

AC- Small appliances, TV, laptop, monitor, lights, etc.

USB- Charging phones, tablets, E-readers, etc.

12V Adaptor Plug- Lights, automotive and other 12V devices.

ELECTRICAL CONNECTIONS

Electrical Capacity

Follow these simple steps to calculate the watts necessary for your devices.

(Refer to Wattage Reference Guide)

1. Select the electrical devices you plan to run at the same time.
2. Total the running Watts of these items, this is the amount of power you will need to keep your item running.
3. Use the following formula to convert Volt and Amperage to Watts. Volts X Amps= Watts.
4. To prolong the life of you lithium power pack, follow these simple rules:
 - Turn on Lithium Power pack before connecting devices
 - Disconnect all devices before turning the lithium power pack off.
 - Do not Overload
5. Overload- Overload safety protection integrated into inverter technology, turn Power switch Off and then back On to reset Power Pack.

WATTAGE REFERENCE GUIDE

Device	Watts	Run time/ No. of Charges
32 in. LED TV	55W	About 7-8 hours
Desktop Computer	100W	About 3-3.5 hours
LED bulb	7-10W	About 20-22 hours
Smart Phone	5-7W	About 30-35 No. of Charges
Tablet	25-40W	About 10-12 No. of Charges
Laptop	50W	Up to 15 hours
Built in LED light	3W	50 Plus hours
Built in Exhaust Fan	1.8W	Intermittent ON/OFF for cooling

Note: The above load condition is 100% for the initial electric quantity.

STORAGE & MAINTENANCE

- Disconnect all power sources from your device
- Turn AC and DC Power Switches Off
- To ensure your lithium power pack is fully charged, we recommend keeping it connected to a power source between uses. This will prolong the battery lifespan & guarantee full power capacity for each use
- If your lithium power pack cannot be kept plugged into a power source during storage period, we recommend to fully charge the battery once every 3 months to maintain battery at optimum level and peak performance

** Note: Failure to store your lithium power pack without following these instructions can result in battery damage and void the product warranty**

TECHNICAL SPECIFICATIONS

Charge time

AC wall receptacle	6-8 hours
DC Car Charger	10-12 hours
Solar Charger	30-40 hours (varies on panel & sunlight)
Battery type	Cylinder Li-ion 18650-2500mAh
Battery Capacity	277.5Wh 25000mAh
Battery Voltage	11.1 V
No. of Cycles	>300 times
Overload	Overload safety protection integrated into inverter technology, turn Power switch Off and then back On to reset Power Pack
Inverter	Pure sine wave
Battery Maintenance	Charge every 3 months
Product Weight	3.6kg/7.9lbs
Dimensions	286*126*140mm /11.2*5*5.5 in
Operating temperature	32-104 F (0-40°C)
Recommended storage temperature	75F (24°C)
Input/Output	Input-5.5 mm Charging Port
Receptacles	Output-USB Port /12V Car Port/ 120V AC

FREQUENTLY ASKED QUESTIONS

What is my battery type?

Li-ion

How often will I need to recharge my lithium power pack?

Charge each time battery indicator goes low and a minimum of once every 3 months.

How do I know if my lithium power pack is fully charged?

LED Battery display will indicate power level

Can I charge my lithium power pack while it is being used?

Yes

Can I charge it from my car?

Yes

How long can I expect my Lithium power pack to last on a full charge?

Varies based on Loads applied (see table on page 10 of this manual).

Can I use the multiple ports at the same time?

Yes- Please refer to the load table for maximum power capacity.

Can I use standard Solar recharging devices from other manufacturers for solar charging?

Yes

What kind of warranty does my product have?

2 years manufacturers warranty.

How do I obtain warranty replacement parts?

Do not disassemble. Contact Customer Service @ 855-888-3598
or email us at support@a-ipower.com

Can I replace the battery in my lithium power pack?

No. Do not disassemble.

LIMITED WARRANTY

KEEP YOUR RECEIPT. Proof of purchase will be required to substantiate any warranty claim.

WHAT IS COVERED: A-iPower Corp. warrants to the original retail purchaser in the United States of America, or Canada that this product is free of defects in material and workmanship and agrees, at A-iPower Corp's direction, to either repair, provide replacement parts for, or replace (without charge for parts or labor) any product or component with a material defect for a period of 2 years from the date of purchase, except as limited below. Warranty service and replacement parts are warranted only for the duration of the warranty on the original product. All replaced parts or products become a property of A-iPower Corp.

This product is also covered by an Emissions Control System Warranty which is separate from and in addition to the warranty.

Warranty

A-iPower Limited Warranty – 2 Years Residential and 1 Year Commercial

2 year Residential warranty applies as follow: 1st year Parts & Labor / 2nd year Parts ONLY

Thank you for choosing A-iPower products. To ensure proper registration of your product warranty, please submit your warranty registration along with proof of purchase within 10 days of the date of purchase, this can be done by

- a) Completing the Warranty Registration form at the back of this manual and mailing to:
A-IPOWER CORP
10887 COMMERCE WAY UNIT A
FONTANA CA 92337 USA
- b) Visit us at www.a-ipower.com and click the product registration icon

Warranty Term

A-iPower will provide warranty for any of its products purchased through any authorized A-iPower dealer in North America to the original purchaser and will be warranted against defects in material or workmanship for a period of two (2) years for Consumer use from date of purchase, subject to exclusions noted herein. Commercial and Rental applications are warranted for a period of one (1) year from date of purchase.

“Consumer Use” – residential household use by a retail consumer

“Commercial Use” – all other use – commercial , business, industrial, or rental purpose

How to Obtain Warranty Service

Please call our Customer Service Dept. 855-888-3598 or e-mail to support@a-ipower.com

Please have necessary information available – Model Number, Serial Number, Proof of Purchase

DO NOT RETURN THE PRODUCT TO THE PLACE OF PURCHASE

A-iPower Customer Service Dept will assist with all product related questions and will help troubleshoot issues and will send any replacement parts as necessary while product is within the warranty period at no charge. If the issue cannot be resolved then A-iPower Customer Service Dept at its discretion determine and authorize diagnosis and repair through one of its authorized Service Centers. A-iPower Corp at its discretion may choose to provide replace of part, component, or product.

Service or replacement of parts at any unauthorized repair facility without prior authorization will not be covered by this warranty.

Warranty Exclusions

This warranty does not cover the following

Regular wear and maintenance – this warranty will not cover repair when normal use has exhausted the lifetime of a part(s) or engine

Installation and Maintenance - this warranty does not cover improper or unauthorized assembly, alteration, modification or any other damage resulting from misuse or neglect.

Normal maintenance parts - this warranty does not cover spark plugs, air filters, adjustments, or other related service due to obstructions and other build ups resulting from improper maintenance

Additional exclusions – this warranty does not cover wearable parts such as filters, spark plugs, o-rings, batteries etc. It does not cover any cosmetic defects such as scratches to paint, decals etc. It does not cover any damage resulting from use of non-original manufacturer's parts, use of aftermarket parts. It does not cover any failures due to acts of God and other force majeure events beyond the control of the manufacturer.

Warranty limits and Implications and Consequential Damages

A-iPower is not obligated to cover any loss of time, use of product, freight cost, or any other incidental or consequential claim from the use of this product. This warranty is in Lieu of all other warranties, express or implied

This warranty gives you specific legal rights which vary from state to state.

MERCHANDISE RETURN GUIDELINES

- All products must be returned in original or equivalent packaging. Improperly packaged returns will not be accepted.
- Must have adequate packing for transportation
- Federal Law requires that all machines that utilize gasoline, oil, or other flammable liquids must be drained Completely & Thoroughly prior to shipment.
- Gas caps and oil plugs must be left off for 24 hours prior to shipping. Please note: liability for this violation of the law resides with the sender of the shipment.
- Return to address provided in return authorization, using the parcel service required. Units returned without authorization will not be honored.
- *Please Note: Refunds will not be granted for items that have been modified or damaged by abuse or usage not in accordance with product instructions.*

A-iPOWER WARRANTY REGISTRATION FORM

Register your product by mailing this form to support@a-ipower.com or register online at www.a-ipower.com.

Registering your product is important, it provides protection:

- 1) You have record of product purchased.
- 2) Customer Service can Better serve you for Warranty related issues.
- 3) We can contact you in the unlikely event should notification is necessary.
- 4) Always keep copy of your original receipt.

Primary Information	Generator Information
Name: _____	Serial # _____
Phone: _____	
E-mail: _____	Model # _____
Address: _____	
City, State, Zip code: _____	
Date of purchase: _____	
Where: _____	

The serial No. can be found on the engine.
PLEASE NOTE: Your generator cannot be registered without model & serial numbers.

1. THE PRODUCT WAS PURCHASED FOR:

- | | |
|---|--|
| A. ☐ Businessback-up | F. ☐ Jobsite/construction |
| B. ☐ Camping | G. ☐ Outdoor activities (Hunting) |
| C. ☐ Tailgating | H. ☐ Special Events |
| D. ☐ Rental | I. ☐ Battery Charging |
| E. ☐ Farming/Agriculture | J. ☐ Other _____ |

2. THIS PRODUCT IS A: (select one)

- | | |
|---|---|
| A. ☐ First Time Purchase | B. ☐ Replacement |
|---|---|

3. HOW DID YOU FIRST LEARN OF THIS PRODUCT: (select one)

- | | |
|---|---|
| A. ☐ Magazine Ad | G. ☐ Trade Show |
| B. ☐ Newspaper | H. ☐ Direct Mail |
| C. ☐ Radio | I. ☐ From Friend/Relative/Neighbor |
| D. ☐ TV | J. ☐ Catalog |
| E. ☐ Store Display | K. ☐ Internet |
| F. ☐ Contractor | L. ☐ Other _____ |

4. PLEASE RATE YOUR SATISFACTION LEVEL WITH THE FOLLOWING:

	Completely Satisfied 5	4	3	2	Not at all Satisfied 1
Product Value for Price Paid	☐	☐	☐	☐	☐
Performance	☐	☐	☐	☐	☐
Features	☐	☐	☐	☐	☐
Product Appearance	☐	☐	☐	☐	☐
Warranty	☐	☐	☐	☐	☐
Ease of Maintenance	☐	☐	☐	☐	☐
Noise Level	☐	☐	☐	☐	☐

5. HOW LIKELY ARE YOU TO RECOMMEND A-iPOWER TO FAMILY OR FRIENDS?

Extremely Likely 5	4	3	2	Not likely at all 1
☐	☐	☐	☐	☐

Privacy Statement: A-ipower is committed to respecting your privacy and to complying with the regulations regarding the protection of personal data.

The survey data we collect is for the purposes of marketing or product support and demographic information about the entire audience registering their products.

YOUR POWER SOLUTION!



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www.a-ipower.com