



USER MANUAL **V1.0**

English Version

COR Portable Power Station

COR 2000W Inverter with Integrated PV
and COR 960Wh Battery Pack

ABSTRACT

The purpose of this report is to outline the key features and define proper operation of the COR Unit. Troubleshooting methods and Workspport staff contact information is included.



[Get Started >](#)

DISCLAIMER



Read the ENTIRE User Manual before operating.

Failure to operate the product correctly may result in damage to the product or personal property and cause serious injury. Workspport Ltd. will not assume any legal responsibility. DO NOT use the product with incompatible components or alter the product in any way without following the instructions provided by Workspport Ltd.

Failure to follow these instructions will render Workspport Ltd. after-sales services and the product warranty void. These Safety Guidelines include instructions for safety, operation and maintenance. It is important to read and follow all the instructions and warnings in the user manual before assembly, set up, or use.

Improper use may result in fire, property damage, or personal injury. Make sure to use the product according to the following safety rules and guidelines.

1. Pay attention to safety when handling the COR Portable Power Station.
2. Never disassemble, puncture, shock, damage, or incinerate the product.
3. Keep COR Portable Power Station and the accessories dry. DO NOT expose the product and accessories to high heat.
4. Children or people with disabilities should use the product under adult supervision.
5. Recycle and dispose of COR Portable Power Station in accordance with local laws and regulations.

In compliance with laws and regulations, Workspport Ltd. reserves the right to final interpretation of this document and all documents related to the product. This document is subject to changes (updates, revisions, or termination) without prior notice. Please visit Workspport Ltd. website to obtain the latest product information.

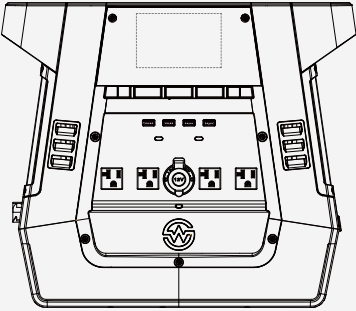
DO NOT replace the COR Battery Pack during operation.

WHAT'S IN THE BOX



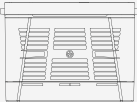
STANDARD

COR Portable Power Station



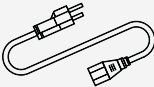
x1

COR Main Battery



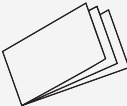
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AC Charging Cable



x1

Instruction Manual



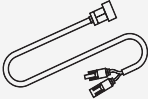
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Pouch



x1

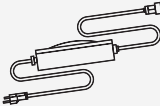
PV/Solar Charging Cable



x1

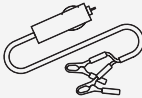
OPTIONAL

Battery Charger



x1

Car Discharging Cable



x1

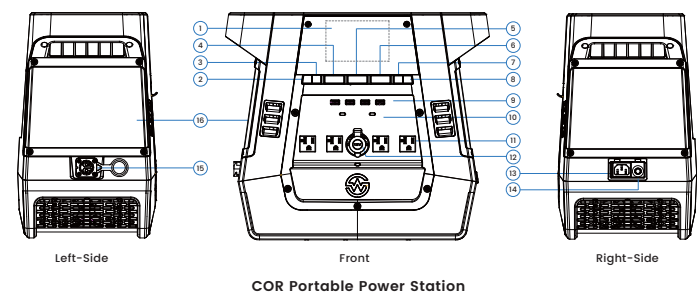
SMART LIFE APP
Control, monitor and customize your COR Portable Power Station from afar with the Smart Life App.



OVERVIEW

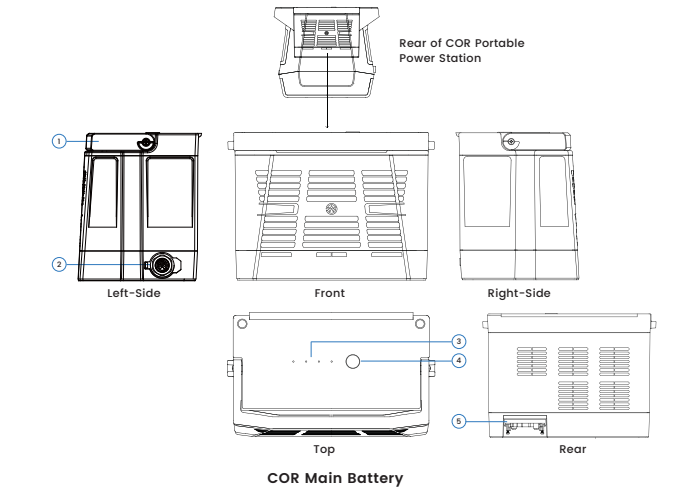


01. COR PORTABLE POWER STATION



1. LCD Display	9. 4x18W USB-A Ports
2. Previous Screen	10. 2x100W USB-C Ports
3. Next Screen	11. 4xNEMA AC Plugs
4. AC ON/OFF	12. Car Discharging Port
5. System ON/OFF	13. AC Charging Input Port
6. DC ON/OFF	14. AC Charging Input Port FUSE
7. LCD Brightness Increase	15. M25 PV Charging Input Port
8. Side LED Brightness Increase	16. Side LEDs

02. COR MAIN BATTERY



1. Carrying Handle	4. Power Button
2. Charging Input Port	5. COR Hub Connection Port
3. Battery Level Indicator Lights	

OVERVIEW (CONT.)

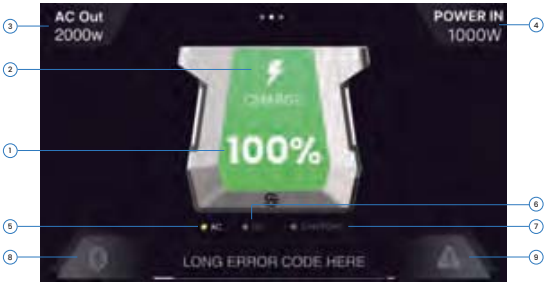


03. LCD DISPLAY

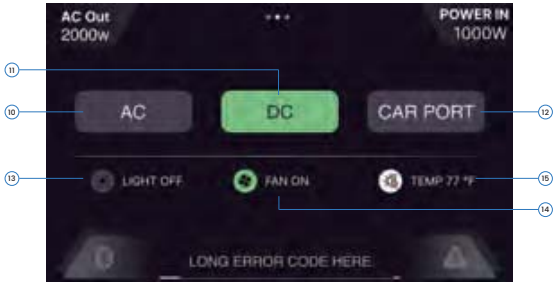
There are a total of 4 screens -Main Screen, Information Screen, Product Specification Screen, and Warning Screen.

When the system is turned on, the default screen (after a brief startup screen) is the **Main Screen -01**.

Click right arrow on unit or swipe on screen to switch to **Main Screen - 02**
To return back to default screen, click left arrow or swipe back on screen.



Main Screen - 01



Main Screen - 02

1. Remaining Battery Percentage	5. AC Output Indicator
2. Discharge/Charge/Stand State	6. DC Output Indicator
3. AC Output Power	7. Car Port Indicator
4. AC/PV Input Power	8. Bluetooth Connection

9. Warning	13. Side LED ON/OFF/Adjust Brightness
10. AC Output Switch	14. Fan ON/OFF
11. DC Output Switch	15. Temperature Levels
12. Car Port Switch	

OVERVIEW (CONT.)



Information Screen

Main -> Product Specification -> Information



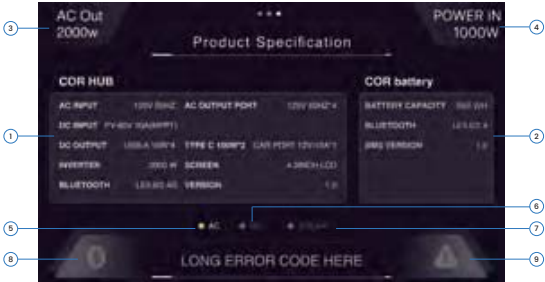
Information Screen

1. COR Main Battery information	6. DC Output Indicator
2. Power Board Information	7. PV/Solar Input Indicator
3. AC Output Power	8. Bluetooth Connection
4. AC/PV Input Power	9. Warning
5. AC Output Indicator	

Click left or right arrow on unit or swipe on screen to return to Main Screen - 01.

Product Specification Screen

Main -> Information -> Product Specification



Product Specification Screen

1. COR Hub Specifications	6. DC Output Indicator
2. COR Main Battery Specifications	7. PV/Solar Input Indicator
3. AC Output Power	8. Bluetooth Connection
4. AC/PV Input Power	9. Warning
5. AC Output Indicator	

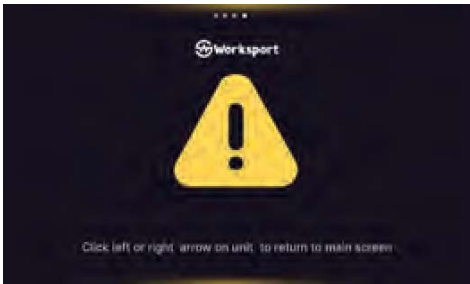
Click left or right arrow on unit or swipe on screen to return to Main Screen - 01.

OVERVIEW (CONT.)



Warning Screen

If a warning appears during the use of the product and the warning icon persists after restart, please stop using the product immediately (do not attempt to charge or discharge it). Please contact Workspport Ltd. customer service (for contact information, refer to page 09 or check the rear cover of the Manual).



Warning Screen

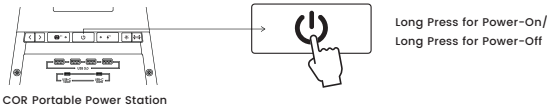
Click left or right arrow on unit or swipe on screen to return to Main Screen - 01.



POWER ON/OFF



Press and hold the main power button once (for about 3 seconds) to turn on the product. The LCD screen lights up. Press and hold the main power button (for about 3 seconds) to turn off the product, and the LCD screen.



CONTROL YOUR DEVICE



AC/DC OUTPUT

Press the "DC output switch" or "AC output switch" once to turn on their corresponding DC/AC output sockets; press again to turn them off.

LCD SCREEN BRIGHTNESS

The LCD Screen brightness can be controlled via the LCD Brightness Increase button. Each click of the button increases the screen brightness by a defined percentage, based on the last known percentage. The increments are:
10% -> 25% -> 50% -> 75% -> 100% -> 10% ->

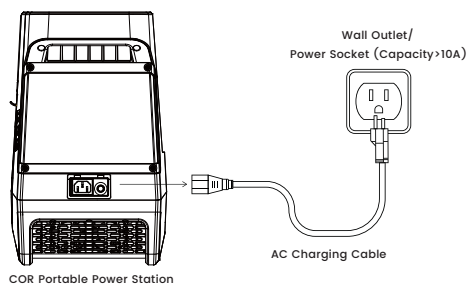
SIDE LED BRIGHTNESS

The Side LED brightness can be controlled via the Side LED Brightness Increase button. Each click of the button increases the Side LED brightness by 25% increments. When 100% brightness is achieved, the next click of the button turns the Side LEDs off. In other words, the increments are:
0% -> 25% -> 50% -> 75% -> 100% -> 0% ->

CHARGING

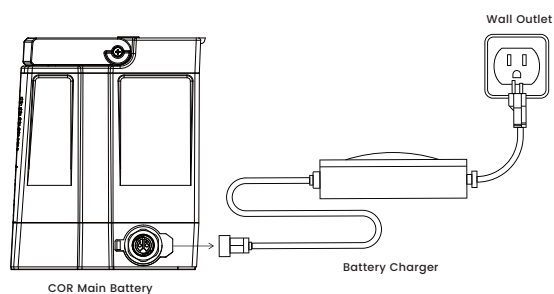


AC CHARGING



- For AC charging, we recommend that you use a power socket with a capacity of more than 10A and ensure that the working current of the socket is constantly greater than 10A.
- For AC charging, please use the AC charging cable included in the package and plug the cable directly into a wall outlet instead of an extension socket.

BATTERY CHARGING



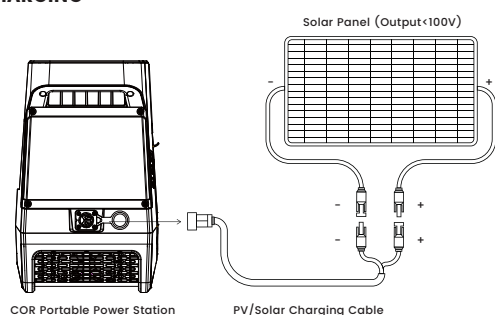
Note: The main battery charger is supplied separately.

- Remove the main battery from the COR Hub and place in a secure area.
- Ensure the external charger is turned off .
- Pull out the plastic cover on the side of main battery enough to expose the port (the cover is built into the case and will not come out completely).
- Plug the charging cable (blue side) into the main battery charging port.
- Turn on the external charge. After approximately 5 seconds, the LED lights on the top of the main battery will start blinking, which indicates that it is charging. The LED lights will progress (more of the LEDs will be on) as it charges further. When all four LEDs are solid, that indicates that it is fully charged. At that point, remove the cable from the external charging port.

CHARGING (CONT.)



SOLAR CHARGING



Note: The solar charging cable (MC4-M25 adapter cable) and the solar panel are supplied separately.

- When using a solar panel to charge the product, connect them according to the instructions in the user manual.
- Before connecting the solar panel, ensure that the output voltage of the solar panel is less than 65V to avoid product damage.

MAINTENANCE



CHANGE THE MAIN BATTERY

- Press and hold the main power button (for about 3 seconds) to turn off the product.
- Remove the main battery from the COR Hub and place in a secure area.
- Put the charged spare main battery in COR Hub.
- Press and hold the main power button (for about 3 seconds) to turn on the product.

Please shut down before replacing the battery.

Workspport Ltd. will not be responsible for any loss of data or equipment damages caused by careless use or customers' failure to follow the instructions.

TROUBLESHOOTING



Problem	Solution
High/low temperature during charging/discharging	Normal operation will resume automatically once the battery returns to its normal operating temperature range.
AC output high temperature	Ensure that the air inlet and outlet of the product are unobstructed. Normal operation will resume automatically after the temperature decreases.
Power output overload	Disconnect overloading devices and restart the product to resume normal operation.
Fan blocked	Check whether the fan is blocked by foreign objects.
Communication failure between main control hub and battery	Normal operation will resume automatically after restarting the product.
Communication failure between main control hub and AC	Normal operation will resume automatically after restarting the product.

For additional support, please contact Workspport Ltd. customer service at customerservice@workspport.com or call: 1(888) 554-8789

TECHNICAL SPECIFICATIONS



GENERAL SPECIFICATIONS

Net Weight	38.6 lbs (Hub+Battery)
	19.7lbs (Battery)
Dimensions	442 mm x 380 mm x 237 mm (Hub+Battery)
	293.0 mm x 175.5 mm x 211.0 mm (Battery)
Capacity	960Wh
Testing and certification	UL Standard, CE, FCC, ROHS

OUTPUT

AC Output(x4)	2000W 120VAC 60Hz
USB-A Output(x4)	18W (5V@3.4A, 9V@2A, 12V@1.5A) DCP, QC2.0/ QC3.0, FCP, AFC
USB-C Output(x2)	100W (5V@3A, 9V@2A, 12V@3A, 15V@3A, 20V@5A) PPS/PD3.0/PD2.0, QC4+/QC4/QC3.0/ QC2.0, AFC, FCP, SCP, PE2.0/PE1.1, SFCP
Car Power Output(x1)	12V 10A Max

INPUT

AC Charge Input Voltage	100-120VAC 60Hz
Solar Charge Input	1000W, 12-60VDC, 20A Max

BATTERY

Cell Chemistry	LiFePO4
Discharge Temperature	-4°F to 140°F (±3°F)
Charge Temperature	39.2°F to 113°F (±3°F)
Shelf Life	1 Year (after fully charging the device)
Cycle Life	500 cycles to 80%+ capacity

CERTIFICATION



Workspport COR Hub
WS-COR-2000

FCC ID: 2BTQS-WSCOR2000 IC: 34245-WSCOR2000

Workspport COR 960Wh Battery Pack (LFP)
WS-COR-2001

FCC ID: 2BTQS-WSCOR2001 IC: 34245-WSCOR2001



FCC Caution:

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance 20cm between the radiator and your body: Use only the supplied antenna.

CERTIFICATION



IC Caution:

- English:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement:

The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

- French:

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil. Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à utiliser l'équipement.

Déclaration d'exposition RF:

L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.



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:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) 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.
- e) To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the power pack.
- f) 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.
- g) Do not operate the power pack with a damaged cord or plug, or a damaged output cable.
- h) 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.
- i) To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.
- j) **WARNING – RISK OF EXPLOSIVE GASES.**
 - 1) 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.
 - 2) 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.
- k) **PERSONAL PRECAUTIONS**
 - 1) Consider having someone close enough by to come to your aid when you work near a lead-acid battery.
 - 2) Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
 - 3) Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.

CERTIFICATION



- 4) 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.
- 5) NEVER smoke or allow a spark or flame in vicinity of battery or engine.
- 6) 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.
- l) When charging the internal battery, work in a well ventilated area and do not restrict ventilation in any way.
- m) 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.
- n) Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
- o) Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- p) Attach output cables to a battery and chassis as indicated below. Never allow the output clamps to touch one another.
- q) Risk of Electric Shock. Never use power pack to supply power tools to cut or access to live parts or live wirings, or materials that may contain live parts or live wirings inside, such as building walls, etc.

SAVE THESE INSTRUCTIONS



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West Seneca, NY 14224
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FOR SUPPORT OR GENERAL ENQUIRIES

Email: customerservice@workspport.com

Phone: 1 (888) 554-8789

Scan QR Code
or visit **Workspport.com**
to learn more

