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Schumacher Electric SJ1330

Schumacher SJ1330 1000 Peak Amp Jump Starter and Air Compressor User Manual

Model: SJ1330

1. PRODUCT OVERVIEW

The Schumacher SJ1330 is a versatile 4-in-1 portable power station designed for automotive and recreational use. It integrates a 1000 peak amp jump starter, a 150 PSI air compressor, a 12V DC power outlet, a 2A USB port, and an LED work light. This unit is suitable for jump starting various vehicles and powering electronic devices.



Image 1.1: The Schumacher SJ1330 4-in-1 Portable Power Station.

Key Features:

- **1000 Peak Amp Jump Starter:** Capable of starting up to 8.0L gas and 6.0L diesel engines.
- **150 PSI Air Compressor:** For inflating tires, sports equipment, and other inflatables, with auto shut-off.
- **Portable Power Station:** Includes a 12V DC accessory outlet and a 2A USB-A port for charging devices.
- **Integrated LED Work Light:** Provides illumination for roadside emergencies or work areas.
- **Wide Battery Compatibility:** Works with standard, AGM, maintenance-free, gel, calcium, EFB, and deep-cycle 12V batteries.
- **Safety Features:** Includes reverse polarity protection and thermal protection for the air compressor.

⚡ 1000 PEAK AMPS | 150 PSI AIR COMPRESSOR | 12V

4 IN 1



JUMP STARTER



**PORTABLE POWER
STATION**



LED LIGHT



AIR COMPRESSOR



Image 1.2: Visual representation of the SJ1330's four primary functions.

2. IMPORTANT SAFETY INFORMATION

Read and understand all safety information and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

General Safety Precautions:

- Always wear eye protection and protective clothing when working with batteries.
- Ensure adequate ventilation when charging or jump starting.
- Keep the unit away from children and unauthorized personnel.
- Do not expose the unit to rain or wet conditions.
- Never attempt to jump start a frozen battery.
- Do not smoke or allow sparks or flames in the vicinity of the battery or engine.
- Avoid dropping metal tools onto the battery. This could cause a spark or short-circuit.

Product-Specific Safety Features:

- **Reverse Polarity Protection:** Prevents damage to the unit and vehicle if the clamps are accidentally connected incorrectly.
- **Air Compressor Thermal Protection:** The air compressor features an auto shut-off mechanism to prevent overheating. It will automatically restart once it cools down.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Schumacher SJ1330 Jump Starter and Portable Power Station
- 3 Air Compressor Hose Adapters
- Adapter Storage Bag
- User Manual (this document)

4. PRODUCT COMPONENTS

Familiarize yourself with the different parts of your SJ1330 unit:



Image 4.1: Labeled components of the Schumacher SJ1330.

- **Rotary Switch:** Controls the main power to the jump starter function.

- **Built-in Work Light:** Provides illumination.
- **Battery Status LED Indicators:** Display the charge level of the internal battery.
- **12V DC Accessory Outlet:** For powering 12V devices.
- **Work Light On/Off Switch:** Activates the LED work light.
- **2A USB Port:** For charging USB-powered devices.
- **Compressor Hose:** Connects to tire valves and inflatables.
- **Color-Coded Clamps (21" Reach):** Red for positive (+), Black for negative (-).

5. INITIAL SETUP AND CHARGING

Before first use, and after each use, fully charge the internal battery of the SJ1330. Regular charging ensures optimal performance and extends battery life.

Charging Procedure:

1. Locate the AC charging port on the unit.
2. Connect a standard extension cord (not included) to the unit's AC charging port and then to a standard 120V AC wall outlet.
3. Allow the unit to charge until the battery status indicators show a full charge. This may take several hours.
4. Disconnect the extension cord once charging is complete.

Important: For optimal battery health, charge the internal battery after purchase, after each use, and at least every 30 days. The ideal storage temperature is 70°F (21°C). The internal battery may discharge faster in warm environments. Never completely discharge the internal battery.



Image 5.1: The SJ1330 connected for charging.


6. OPERATING INSTRUCTIONS

6.1. Jump Starting a Vehicle

Follow these steps to safely jump start a vehicle with a dead battery:

1. Ensure the vehicle's ignition is OFF.
2. Connect the **positive (RED)** clamp to the positive (+) battery post of the vehicle's battery.
3. Connect the **negative (BLACK)** clamp to a non-moving metal part of the vehicle chassis or engine block, away from the battery and fuel lines.
4. Turn the Rotary Switch on the SJ1330 to the **ON** position.
5. Attempt to crank the engine for up to 8 seconds. If the engine does not start, wait 2 minutes before attempting to crank again.

6. Once the engine starts, turn the Rotary Switch on the SJ1330 to the **OFF** position.
7. Remove the clamps in reverse order: first the negative (BLACK) clamp from the chassis/engine block, then the positive (RED) clamp from the battery post.



QUICK START GUIDE

- **Connect the Clamps to the Battery**
- **Turn the Rotary Switch to the On Position**
- **Crank the Engine**

Refer to the user manual for detailed instructions.

Image 6.1.1: Quick start guide for jump starting.



Image 6.1.2: Proper clamp connection for jump starting.

6.2. Using the Air Compressor

The built-in 150 PSI air compressor can inflate vehicle tires, bicycle tires, sports equipment, and other inflatables.

1. Ensure the SJ1330 is adequately charged.
2. Select the appropriate adapter from the storage bag and attach it to the compressor hose.
3. Connect the hose to the item you wish to inflate.
4. Turn on the air compressor switch. Monitor the analog pressure gauge to reach the desired pressure.
5. Once the desired pressure is reached, turn off the compressor switch and disconnect the hose.

Note: The compressor has an auto shut-off feature to prevent overheating. If it stops, allow it to cool down before resuming operation.



Image 6.2.1: Using the air compressor to inflate a car tire.



Image 6.2.2: Close-up of the air compressor in use.

6.3. Portable Power Station (USB & 12V DC)

The SJ1330 provides portable power for various electronic devices.

Using the 2A USB Port:

1. Connect your USB-powered device (e.g., smartphone, tablet) to the 2A USB port using a compatible USB cable.
2. The device will begin charging automatically.

Using the 12V DC Accessory Outlet:

1. Plug your 12V DC appliance (e.g., portable fan, car vacuum) into the 12V DC accessory outlet.
2. Ensure the appliance's power consumption does not exceed the unit's maximum output for the 12V port.

PORTABLE POWER STATION

12V DC Outlet
2A USB Port



Image 6.3.1: The SJ1330 functioning as a portable power station.



Image 6.3.2: Charging multiple devices with the SJ1330.

6.4. Using the LED Work Light

The integrated LED work light provides convenient illumination in low-light conditions.

1. Locate the Work Light On/Off Switch on the unit.
2. Toggle the switch to turn the LED light on or off.

7. MAINTENANCE AND STORAGE

Proper maintenance and storage will ensure the longevity and reliability of your Schumacher SJ1330.

Battery Care:

- Always recharge the unit immediately after each use.
- Recharge the unit at least once every 30 days, even if not used, to maintain the internal battery's charge.
- Avoid completely discharging the internal battery, as this can reduce its lifespan.

Cleaning:

- Clean the exterior of the unit with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Keep the ventilation openings free from dust and debris.

Storage:

- Store the unit in a cool, dry place with good ventilation.
- The ideal storage temperature is approximately 70°F (21°C).
- Keep the unit away from direct sunlight, heat sources, and moisture.
- Ensure the clamps are properly stored in their designated holders to prevent accidental contact.

8. TROUBLESHOOTING

If you encounter issues with your SJ1330, refer to the table below for common problems and solutions.

| Problem | Possible Cause | Solution |
|---|---|--|
| Unit does not charge. | Charging cable not connected properly or faulty outlet. | Ensure the charging cable is securely connected and try a different wall outlet. |
| Jump starter does not start vehicle. | Internal battery low, incorrect clamp connection, or vehicle battery severely discharged. | Fully charge the SJ1330. Verify correct clamp polarity and secure connection. Allow more time for the unit to transfer charge before cranking. |
| Air compressor stops during operation. | Overheating due to continuous use. | This is normal. The thermal protection has activated. Allow the unit to cool down for several minutes before resuming. |
| USB port or 12V outlet not providing power. | Internal battery low or device drawing too much power. | Charge the SJ1330. Ensure the connected device's power requirements are within the unit's specifications. |

9. TECHNICAL SPECIFICATIONS

| Feature | Specification |
|---------|---------------------|
| Model | SJ1330 |
| Brand | Schumacher Electric |

| Feature | Specification |
|--------------------------------|--|
| Peak Amperage | 1000 Amps |
| Air Compressor Pressure | 150 PSI |
| USB Output | 2A |
| DC Output | 12V |
| Product Dimensions (D x W x H) | 9.13" x 10.25" x 9.5" |
| Item Weight | 10.78 pounds |
| Battery Type Compatibility | Standard, AGM, Maintenance-Free, Gel, Calcium, EFB, Deep-Cycle 12V batteries |

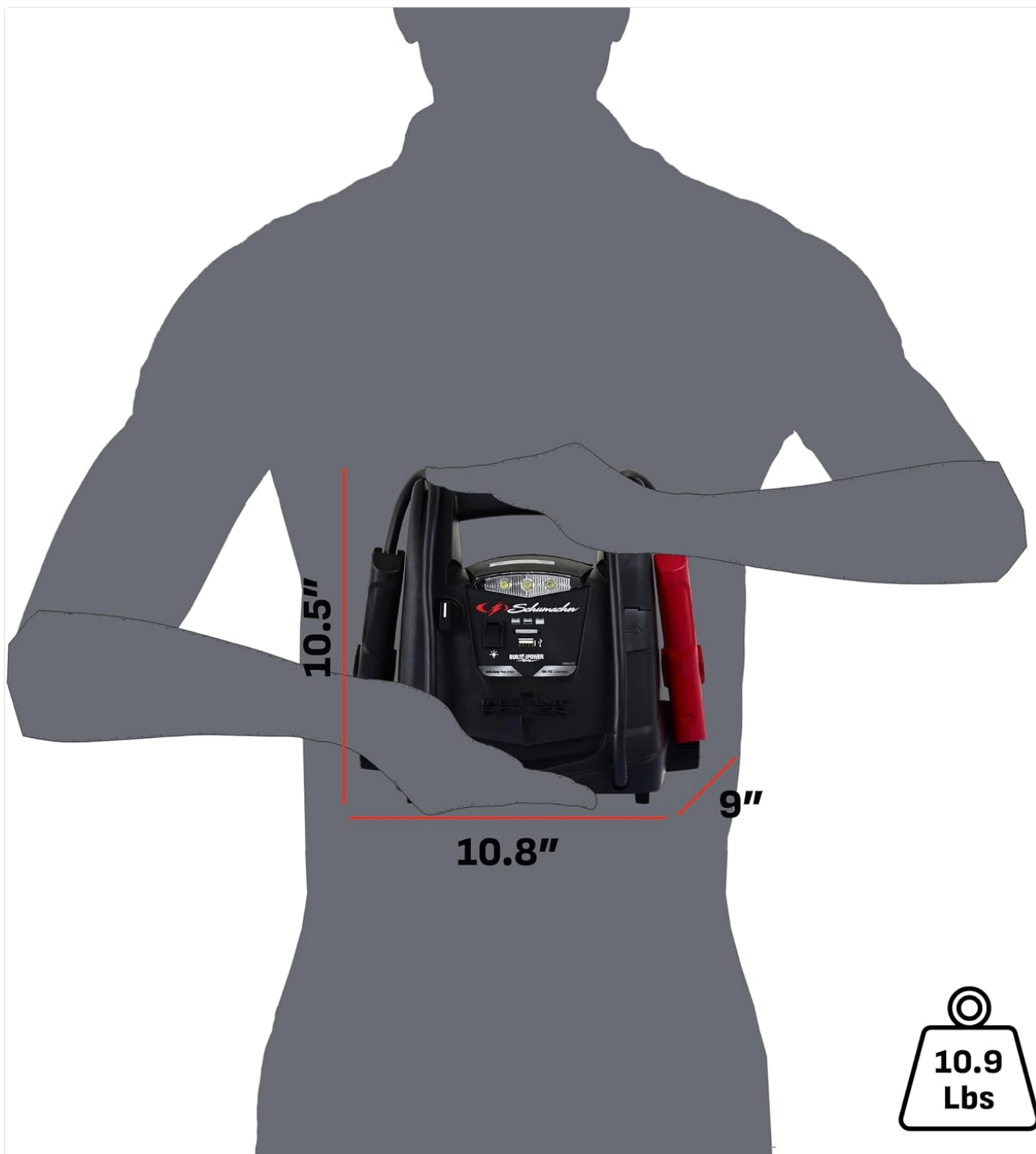


Image 9.1: Physical dimensions and weight of the SJ1330.

10. WARRANTY INFORMATION

Schumacher Electric products are manufactured to high-quality standards. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official Schumacher Electric website. Keep your purchase receipt as proof of purchase for any warranty claims.

11. CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Schumacher Electric customer support. You can find contact information on the official Schumacher Electric website or in the documentation

provided with your product.

An electronic version of the user manual is also available for download:[Schumacher SJ1330 User Manual \(PDF\)](#)