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YATO YT-83082

YATO YT-83082 Battery Jump Starter User Manual

Model: YT-83082

1. Product Overview

The YATO YT-83082 is a versatile and portable battery jump starter designed to provide emergency power for vehicles and charge various electronic devices. Featuring a compact design and a powerful lithium-ion battery, it serves as an essential tool for automotive emergencies and on-the-go charging needs.

1.1 Key Features

- **Multi-functional:** Capable of jump-starting vehicles, charging laptops (19V output), powering air pumps (12V output), and charging mobile devices via USB.
- **Compact and Portable:** Lightweight design for easy storage and transport.
- **Integrated Display:** Digital display for monitoring battery status and output voltage.
- **Built-in Flashlight:** Provides illumination for nighttime use or emergencies.
- **Lithium-ion Battery:** Efficient and long-lasting power source.

1.2 Package Contents

Please check the package contents upon unboxing to ensure all components are present:

- YATO YT-83082 Battery Jump Starter Unit
- Smart Jumper Cables (Red and Black clamps)
- AC Power Adapter
- Car Charger Adapter
- USB Charging Cable (various connectors)
- Laptop Charging Adapters (various sizes)
- Storage Case

Figure 1.2: YATO YT-83082 Jump Starter and its complete set of accessories, including jumper cables, various charging adapters, and cables.

2. Safety Instructions

Read all safety warnings and instructions carefully before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Do Not Short Circuit:** Avoid connecting the positive and negative clamps together.
- **Proper Polarity:** Always connect the clamps to the correct battery terminals (red to positive, black to negative). Incorrect connection can damage the device and vehicle.
- **Ventilation:** Use in a well-ventilated area.
- **Keep Dry:** Do not expose the device to rain or wet conditions.
- **Children and Pets:** Keep out of reach of children and pets.
- **Temperature:** Do not store or operate in extreme temperatures. Refer to specifications for operating temperature range.
- **Damaged Unit:** Do not operate the unit if it is damaged.
- **Battery Type:** This device is designed for 12V lead-acid batteries. Do not attempt to jump-start other battery types.
- **Charging:** Only use the provided charging adapters.

3. Product Diagram and Controls

Figure 3.1: Top view of the YATO YT-83082 Jump Starter, highlighting its various ports and control buttons.

1. **Power Button:** Turns the unit on/off and cycles through display modes.
2. **Engine Start Port:** Connects to the smart jumper cables for vehicle jump-starting.
3. **USB OUT 1 & 2:** USB ports for charging mobile phones, tablets, and other USB-powered devices.
4. **19V OUTPUT (Laptops):** Output port for charging laptops using the provided adapters.
5. **12V OUTPUT (Air Pump):** Output port for powering 12V accessories like air pumps.
6. **15V INPUT (CHARGE):** Input port for charging the jump starter unit itself.
7. **Digital Display:** Shows battery charge level, output voltage, and status indicators.
8. **Flashlight:** Integrated LED light for illumination.

4. Setup and Initial Charging

Before first use, fully charge the YATO YT-83082 unit. It is recommended to charge the unit every 3 months to maintain battery health, even if not in use.

1. **Charging the Unit:**
    - Connect the AC power adapter to the **15V INPUT (CHARGE)** port on the jump starter.
    - Plug the AC adapter into a standard wall outlet.
    - The digital display will show the charging progress. Charge until the display indicates a full charge (e.g., "100%" or full battery icon).
    - Alternatively, use the car charger adapter to charge the unit from your vehicle's 12V cigarette lighter socket.
2. **Checking Battery Level:**

- Press the Power Button once to turn on the display and check the current battery charge level.

5. Operating Instructions

5.1 Jump-Starting a Vehicle

Ensure the jump starter is at least 75% charged before attempting to jump-start a vehicle.

1. Turn off the vehicle's ignition and all accessories (lights, radio, etc.).
2. Connect the **red (+) clamp** of the smart jumper cables to the **positive (+) terminal** of the vehicle's battery.
3. Connect the **black (-) clamp** of the smart jumper cables to the **negative (-) terminal** of the vehicle's battery or a solid, unpainted metal part of the engine block (ground point).
4. Plug the blue connector end of the smart jumper cables into the **Engine Start Port** on the jump starter unit. Ensure a secure connection.
5. Check the indicator lights on the smart jumper cable connector. A solid green light indicates a correct connection and readiness to jump-start. If a red light or alarm sounds, check connections for polarity reversal or short circuit.
6. Start the vehicle's engine. If it doesn't start on the first attempt, wait at least 30 seconds before trying again. Do not crank for more than 3 seconds per attempt.
7. Once the vehicle starts, immediately disconnect the smart jumper cable from the jump starter unit.
8. Then, disconnect the black (-) clamp from the vehicle battery/ground, followed by the red (+) clamp.

Important: Do not leave the jump starter connected to the vehicle battery after the engine has started.

5.2 Charging Electronic Devices (USB Output)

1. Connect your device's USB charging cable to either **USB OUT 1** or **USB OUT 2** on the jump starter.
2. Connect the other end of the cable to your electronic device.
3. The jump starter will automatically begin charging your device.

5.3 Powering 12V/19V Devices

1. For 12V devices (e.g., air pump), connect the device's power cable to the **12V OUTPUT (Air Pump)** port.
2. For 19V laptops, select the appropriate laptop adapter from the included set. Connect the adapter to the **19V OUTPUT (Laptops)** port, then connect to your laptop.

5.4 Using the Flashlight

The integrated flashlight can be useful in low-light conditions.

- Press and hold the Power Button for a few seconds to turn the flashlight on.
- Press the Power Button again to cycle through different light modes (e.g., steady, strobe, SOS, off).

6. Maintenance and Storage

Proper maintenance ensures the longevity and reliability of your YATO YT-83082 jump starter.

- **Recharging:** Recharge the unit after each use, especially after jump-starting a vehicle. For optimal battery life, recharge every 3 months even if not used.

- **Cleaning:** Wipe the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures. The included storage case is ideal for protection.

Figure 6.1: The YATO YT-83082 Jump Starter and its accessories stored securely in the provided compact case.

7. Troubleshooting

If you encounter issues with your YATO YT-83082, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Charge the unit fully using the AC adapter.
Vehicle does not jump-start.	Incorrect clamp connection (reversed polarity). Jump starter battery too low. Vehicle battery severely discharged or damaged. Poor connection to battery terminals.	Ensure correct polarity (red to +, black to -). Check smart cable indicator. Recharge the jump starter to at least 75%. Consult a mechanic. The jump starter may not be able to revive a completely dead or faulty battery. Clean battery terminals and ensure clamps are securely attached.
Smart jumper cable indicator shows red/alarms.	Reversed polarity or short circuit detected.	Immediately disconnect clamps and re-connect with correct polarity. Ensure clamps do not touch each other.
USB devices not charging.	Jump starter battery low. USB cable faulty. Device not compatible.	Recharge the jump starter. Try a different USB cable. Ensure your device is compatible with standard USB charging.

8. Specifications

Feature	Specification

Feature	Specification
Model Number	YT-83082
Manufacturer	YATO
Dimensions (L x W x H)	18.7 x 9.8 x 4 cm
Weight	100 grams (Note: This weight seems unusually low for a jump starter. It might refer to a specific component or be an error in the source data. Please verify with product packaging.)
Power Source	Battery powered
Voltage	12 Volts (DC)
Battery Composition	Lithium-ion
Input Voltage (Charge)	15V
Output Voltage (Laptops)	19V
Output Voltage (Air Pump)	12V
USB Output	Standard USB (details not specified in source)

Note: Specifications are subject to change without notice. For the most accurate and up-to-date information, please refer to the product packaging or manufacturer's official website.

9. Warranty and Support

For warranty information, technical support, or service inquiries regarding your YATO YT-83082 Battery Jump Starter, please contact YATO customer service or refer to the warranty card included with your purchase.

Manufacturer: YATO

Model Number: YT-83082

Parts Availability: Information regarding spare parts availability is not provided in the product details. Please contact the manufacturer directly for inquiries.

For further assistance, visit the official YATO website or contact your local distributor.

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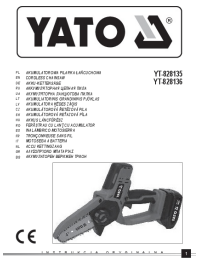
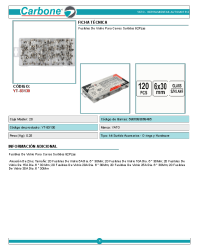
Related Documents

	[YATO YT-09201 Pneumatic Stitching Machine - Operating Manual] Comprehensive operating manual for the YATO YT-09201 pneumatic stitching machine, covering safety, technical data, operation, maintenance, and troubleshooting.
	[YATO Cordless Chainsaw YT-828137/YT-828138 User Manual] Comprehensive user manual for the YATO Cordless Chainsaw models YT-828137 and YT-828138. This guide provides detailed instructions on operation, safety precautions, maintenance, and technical specifications for effective and safe use of the chainsaw.
	[YATO Pilarka Łańcuchowa Akumulatorowa YT-828135 / YT-828136 - Instrukcja Obsługi] Instrukcja obsługi dla pilarki łańcuchowej YATO YT-828135 i YT-828136. Zawiera informacje o charakterystyce produktu, danych technicznych, instrukcjach bezpieczeństwa, obsłudze i konserwacji.
	[YATO YT-83130 Assorted Glass Fuses for Cars - 92 Pieces] Technical data sheet for YATO YT-83130, a 92-piece assorted set of glass fuses for automotive use. Includes fuse specifications, quantities, and dimensions.

Documents - YATO – YT-83082

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