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› Dcreate Portable Spot Welder Instruction Manual

Dcreate SKU930600

Dcreate Portable Spot Welder Instruction Manual

Model: SKU930600 | Brand: Dcreate

1. PRODUCT OVERVIEW

The Dcreate Portable Spot Welder is a versatile and compact tool designed for precision spot welding, ideal for lithium battery packs, robotics projects, and various metal crafts. Featuring an advanced LCD screen and 30 adjustable power levels, it offers user-friendly operation with comprehensive safety protections.



Image 1.1: Docreate Portable Spot Welder and included accessories, including welding pens, nickel belt, and charging cables.

2. KEY FEATURES

- **Advanced LCD Display & Smart Controls:** Features a vivid 1.8" color LCD screen for real-time monitoring of voltage, temperature, and welding count. Auto-mode operation, low-battery alerts, and firmware updates ensure user-friendly precision for DIY enthusiasts and professionals.
- **Premium Aluminum Alloy Durability:** Crafted with anodized aerospace-grade aluminum alloy for extreme heat resistance and abrasion protection. Fireproof housing guarantees long-lasting performance in high-intensity welding scenarios.
- **Precision Control with 30 Adjustable Levels:** Customize power output and delay time across 30 fine-tuned settings for flawless spot welds on batteries (18650/26650/32650/NiMH) and thin metals ($\leq 0.3\text{mm}$). Memory function retains preferences, while 5-minute auto-shutdown boosts safety.

- **Comprehensive Safety Protections:** Built-in safeguards against over-discharge, over-voltage, short circuits, over-current, and overheating ensure risk-free operation. Smart warnings instantly alert users to anomalies.
- **Versatile Multi-Material Welding:** Perfect for lithium battery packs, robotics projects, and metal crafts. Seamlessly weld nickel strips, stainless steel, iron sheets, and cylindrical cells. Compact, portable design thrives in workshops, garages, and on-site repairs.

CNC true color screen Portable spot welder

30 gears adjustable 2.4A
Quick Charging Bank
Screen can be flipped



Image 2.1: The spot welder's CNC true color screen and portable design, highlighting 30 adjustable gears and quick charging.



It's a spot welder anda power bank

Image 2.2: The device also functions as a power bank, capable of charging other electronic devices.

Spot welding pen is longer About 40cm Flexible operation



Image 2.3: The spot welding pens are approximately 40cm long, offering flexible operation.

3. SETUP

1. **Charge the Device:** Before first use, fully charge the spot welder using the provided USB-C cable. The LCD screen will indicate charging status. The device supports 2.1A input for faster charging.

The charging current increases to 2.1A, and the low-power standby lasts for one year. Low power protection, power off automatically and other functions



2.1A Charges faster

Image 3.1: Connect the spot welder to a power source for charging. The charging current increases to 2.1A for faster charging.

2. **Connect Welding Pens:** Insert the two spot welding pens into their respective output interfaces on the device. Ensure a secure connection.
3. **Identify Ports:** Familiarize yourself with the device's ports and controls. The 1.8-inch display shows various parameters.



Image 3.2: Key components include the 1.8-inch display, 2.4A USB output, 2.1A Type-C input, welding pen output interface, reset hole, and numerical switch.

4. OPERATING INSTRUCTIONS

1. **Power On:** Long press the switch to power on the device. The main interface will appear on the LCD screen.
2. **Adjust Welding Parameters:** Use the controls to adjust the power output (30 gears available) and delay time. These settings are crucial for achieving optimal welds on different materials and thicknesses (e.g., 0.1-0.15mm nickel sheets). The memory function retains your preferences.

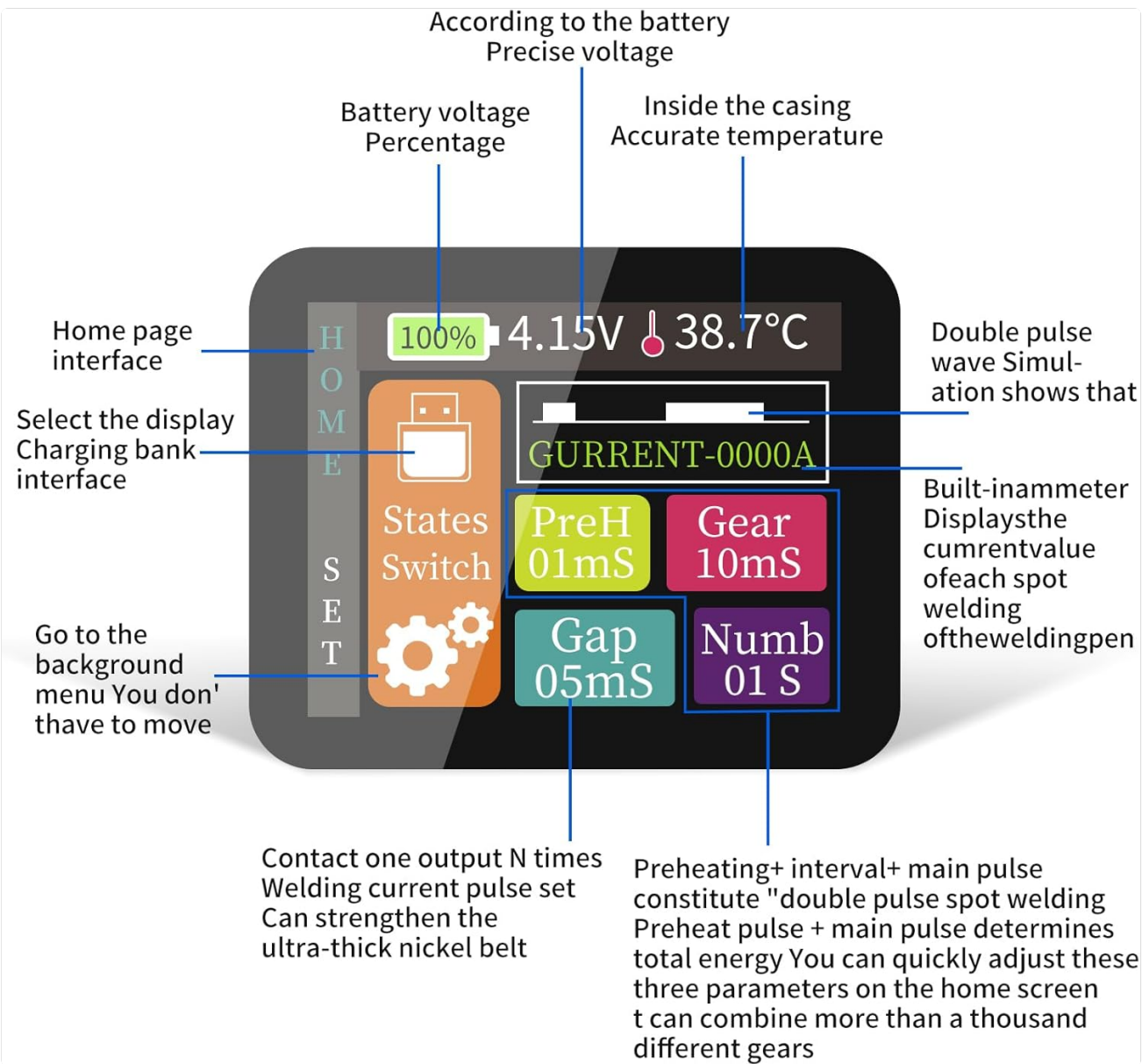


Image 4.1: The 1.8-inch HD colorful screen displays real-time voltage, temperature, and welding count. Users can navigate between home, charging bank, and parameter settings.

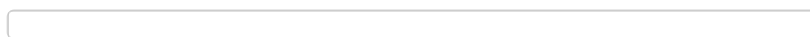
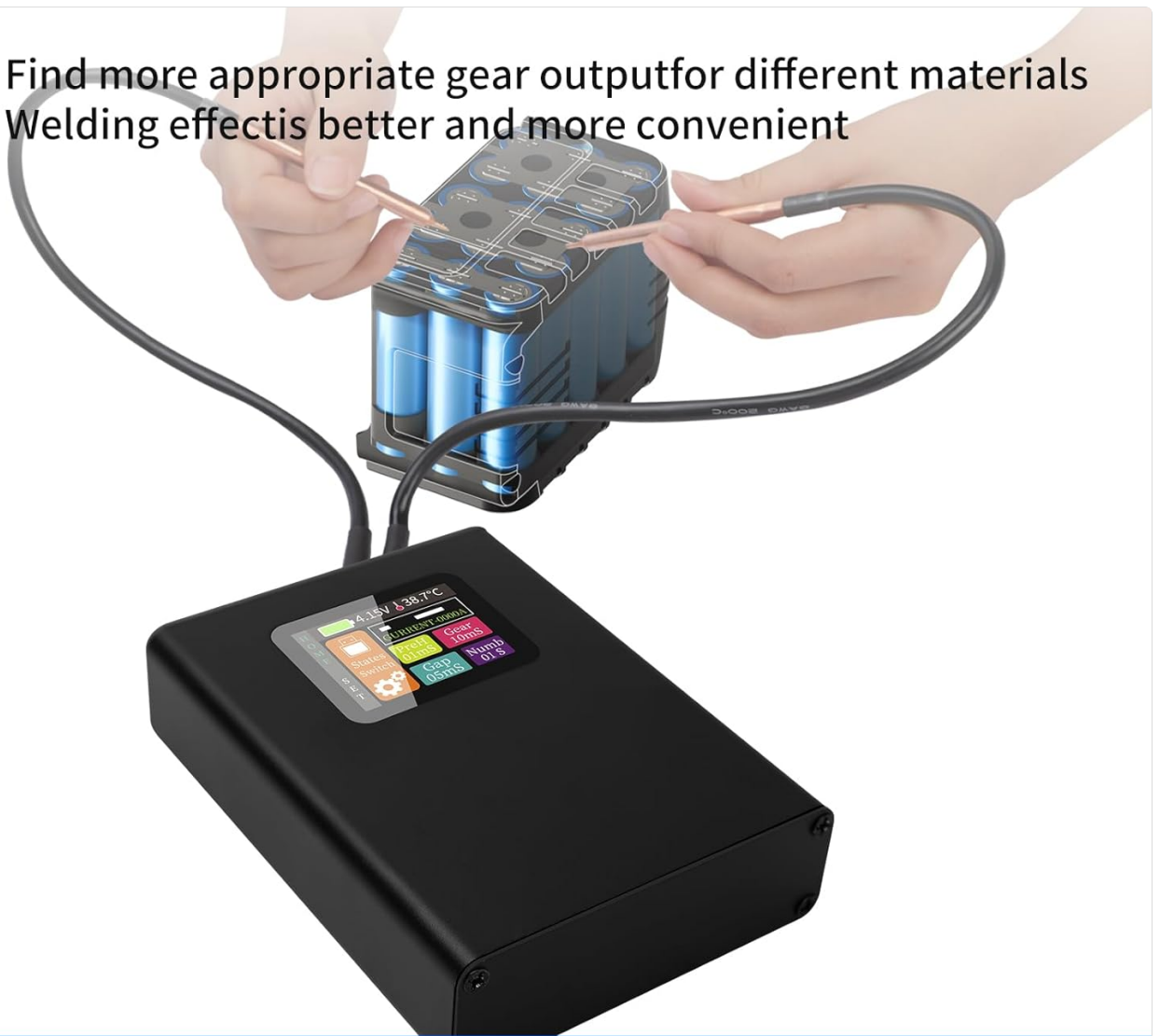


Image 4.2: The device supports enhanced welding strength for nickel sheets between 0.1-0.15mm, with adjustable gear settings for optimal results.

3. **Perform Welding:** Place the nickel strip or material to be welded onto the battery or workpiece. Ensure good contact. Press the welding pens firmly onto the material. The device will automatically perform the weld based on your settings.

Find more appropriate gear output for different materials
Welding effect is better and more convenient



30 Gear output Power adjustable

Image 4.3: The 30-gear output power is adjustable to find the most appropriate setting for different materials, ensuring better and more convenient welding.

Easily make a battery pack

Suitable for Cylindrical Battery



Suitable for Cylindrical Battery

18650 BAT

Ni/MH

26650 BAT

Ni/Cd

32650 BAT

Do more practice.the effect will be more perfect

Image 4.4: The spot welder is suitable for creating battery packs from cylindrical batteries (18650, 26650, 32650, NiMH, Ni/Cd).

4. **Monitor Welding Count:** The LCD screen displays the welding count, helping you keep track of your progress.
5. **Auto-Shutdown:** For safety and power saving, the device features a 5-minute auto-shutdown function if inactive.

5. MAINTENANCE

- **Cleaning:** Regularly clean the welding pen tips and the device's exterior with a dry, soft cloth. Ensure no metal debris accumulates around the welding points.
- **Storage:** Store the spot welder in a cool, dry place away from direct sunlight and moisture. Keep it out of reach of children.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Recharge it when the low-battery alert appears.

6. TROUBLESHOOTING

- **Poor Weld Quality:**
 - Ensure welding pen tips are clean and sharp.
 - Adjust the power output (gear level) to a higher setting.
 - Verify the nickel strip thickness is within the recommended range ($\leq 0.3\text{mm}$).
 - Ensure firm and consistent pressure on the welding pens.
- **Device Not Powering On:**
 - Check battery level and recharge if necessary.
 - Ensure the power button is pressed and held for a sufficient duration.

- **Overheating Warning:**

- Allow the device to cool down. Avoid continuous, prolonged welding sessions.
- Ensure proper ventilation around the device.

- **Low Battery Alert:**

- Recharge the device immediately.

7. SPECIFICATIONS

Attribute	Value
Manufacturer	Docrine
Item Weight	1.09 pounds
Package Dimensions	7.09 x 4.41 x 1.89 inches
Item Model Number	SKU930600
Color	Square Spot Welder
Power Source	ac/dc
Included Components	spot welding pen
Batteries Required?	No
ASIN	B0CB5QNLCM
Date First Available	July 5, 2023

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or contact Docrine customer service directly through their official website or the retailer where the product was purchased. Keep your purchase receipt for warranty claims.