

SQ-SW3

Capacitor energy storage spot welder



Thanks for buying this product! Please read the instructions carefully before use and strictly abide by the specified operating instructions. Users must have a certain electronic foundation and good welding skills. Wrong use may cause personal injury and equipment damage. We do not assume any liability arising from the use of this product or unauthorized modifications to the product, including but not limited to liability for incidental or indirect losses.



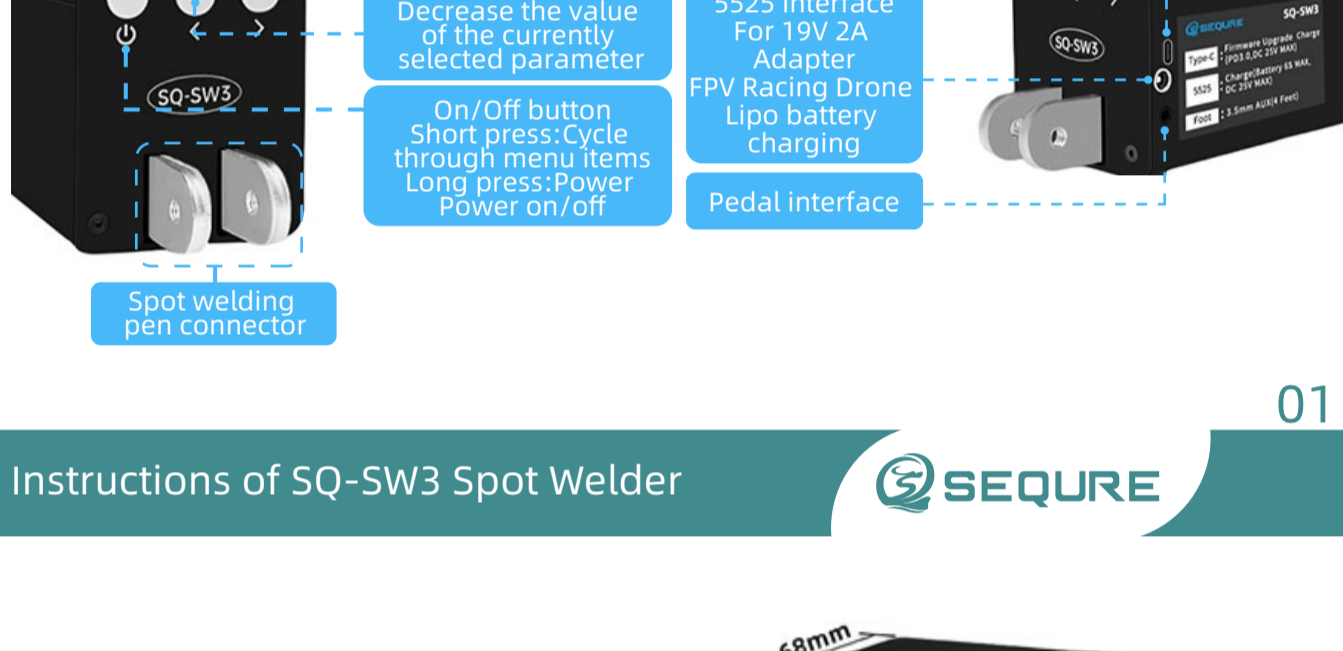
1. Product Overview

SQ-SW3 spot welder is a capacitive energy storage spot welding machine with powerful welding power, widely used for battery pack maintenance, batch welding, and welding of other materials. It has a 1.8-inch LCD color screen to display multi-language menu. Supporting automatic/manual working mode. More features like voltage protection of rechargeable battery, soldering pen with LED lighting, low battery reminder, real-time temperature monitoring and high temperature reminder of the circuit board, the adjustable display direction of screen, solder joint counting, automatic shutdown, firmware upgrade, etc.

2. Product Parameters

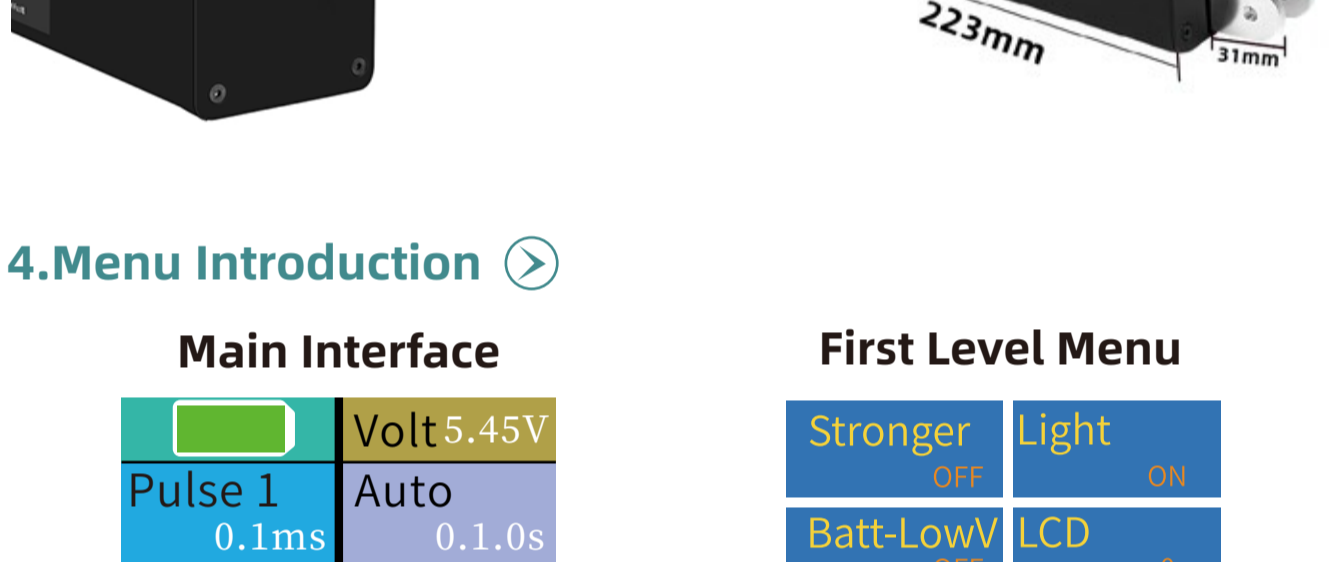
Model	SQ-SW3 Spot Welder with Capacitor Energy Storage
Screen Size	1.8-inch color HD LCD
Trigger Mode	Auto mode/Manual mode
Output Voltage	5.6V(Max)
Output Current	2500A(Max)
Nickel Plating Thickness	≤0.5mm
Pure Nickel Thickness	≤0.3mm
Copper Sheet Thickness	≤0.2mm
Charging Methods	AC, DC, fast charging, slow charging, battery charging
XT60IE-M	Charging(5.6V 15A Max)
Type-C	Firmware upgrade,(PD3.0, DC 25V Max)
5525	Charging(DC 25v Max, battery 6s max)
Foot	3.5mm AUX (4 Feet)
Product Size	Length: 192mm/Width: 68mm/Height: 133mm
Weight	1564.4g

3. Product Sketch Map



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4. Menu Introduction

Main Interface

	Volt 5.45V
Pulse 1 0.1ms	Auto 0.1.0s
Pulse 2 0.1ms	Interval 0.1ms
	31 °C 87 °F
	Weld 0

First Level Menu

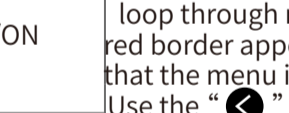
Stronger OFF	Light ON
Batt-LowV OFF	LCD 0
Beep ON	Language EN
Exit	V 1.03

(1) Main Interface

Main Interface	Menu Description	Default Value	Range	Operation
	Electric Power	/	/	/
Volt	Voltage of Power Supply	/	/	Turn on the machine, and short press "⏻" button to loop through menu items. When a red border appears, it indicates that the menu item has been selected. Use the "⬅" and "➡" buttons to set the parameters. Each short press to add or subtract one. Long press to accumulate. After setting, the red border disappears when there is no button operation for 5s. And the data saves automatically.
Pulse 1	Time Gears of Pulse 1	0.1ms	0.1ms-10.0ms	
Manual/Auto	Manual/Auto Mode	Auto1.0s	Manual/Auto 0.5s-3.0s	
Pulse 2	Time Gears of Pulse 2	0.1ms	0.0ms-20.0ms	
Interval	Interval time between pulses	0.1ms	0.1ms-10.0ms	Use the "⬅" and "➡" buttons to set the parameters. Each short press to add or subtract one. Long press to accumulate. After setting, the red border disappears when there is no button operation for 5s. And the data saves automatically.
	Enter the First Level Menu	/	/	
31 °C 87 °F	Temperature of Circuit Board	/	0°C-99°C	
Weld	Solder Joint Count	0	0-99999	

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(2) First Level Menu

Menu	Menu Description	Default Value	Range	Operation
Stronger	When activating the spot welding enhanced mode, there is an additional pulse of Pulse 2 during spot welding.	OFF	OFF/ON	Short press "⏻" button to loop through menu items. A red border appears, indicating that the menu item is selected. Use the "⬅" and "➡" buttons to set the parameters. Each short press to add or subtract one. Long press to accumulate. After setting, the red border disappears when there is no button operation for 5s. And the data saves automatically.
Light	Light of Welding LED Pen	ON	OFF/ON	
Batt-LowV	Low voltage protection of rechargeable battery	OFF	OFF/7.0V-24.0V	
LCD	Display Direction	0°	0°/180°	
Beep	Switch of buzzer	ON	OFF/ON	
Language	Display Language	EN	EN/Pycc./中	
Exit	Return to the main interface	/	/	
V1.03	Version information	/	/	/

5. Operation Guide

(1) Automatic mode: Press both welding pens against the weldment, and the pulse is automatically triggered after reaching the delay time (the progress bar is full).

(2) Manual mode: Connect the wired foot switch, press both welding pens against the weldment, and use the foot switch to control the pulse trigger.

(3) Power on/off: In the off state, long press "⏻" to turn on the machine; when there is no red border on the main interface, long press "⏻" to turn off the machine.

(4) Automatic shutdown: Without any operation, the machine will automatically shut down after 10 minutes.

6. Tips information

Tips	Tips Description	Trigger condition
Restore to factory	Restore to factory settings	When there is no red border on the main interface, press the "⬅" and "➡" keys at the same time

7. Firmware Upgrade

When the machine is turned off and the charging power is unplugged, first press and hold the "⬅" key, then use the Type-C cable to connect the spot welder and the computer. At this time, the spot welder screen displays "UPDATE". Copy the firmware to the virtual disk of the computer. If the upgrade is successful, "READY" on the screen will change to "YES"; if the upgrade fails, "READY" on the screen will change to "NO". Disconnect.

Please visit www.sequiremall.com to obtain the firmware.

Note that the name of the firmware you download must correspond to the product name to prevent the spot welder from malfunctioning due to firmware issues.

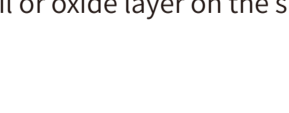
8. Warranty Terms

1. For those performance faults caused by non-human factors within 3 months from the date of purchase, we provide repair & maintenance service for free. After 3 months, no labor fee will be charged for repairs. If you would like to replace parts, you must pay for the cost.

2. All man-made damage, faults caused by self disassembly & improper use, and all consumables like welding pin are not covered by the warranty.

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9. Notes

- For transportation safety, the capacitor has been discharged to a safe value before leaving the factory. The spot welding machine needs to be charged after unpacking. It can only be used for welding when the voltage is charged to 5-5.6V.
- When installing the welding pin of spot welding pen, the screws need to be tightened.
- The pressure applied by the welding pen to the welded workpiece should be consistent, otherwise the welding point will be uneven.
- Use different welding pressures according to the thickness of the weldment (Too light pressure can cause virtual soldering and breakdown of the welded parts; Excessive pressure can lead to weak spot welding).
- After turning on the machine, be careful not to let the two welding pins touch each other. Otherwise, it will cause a short circuit and damage the machine.
- A small amount of sparks will be generated when welding metal parts, which is a normal phenomenon. The operator needs to wear goggles and maintain a certain safe working distance.
- The instantaneous welding current parameter value is released in a pulsed manner, which cannot be measured with general electrical instruments.
- To ensure the quality of welding, please frequently use fine gauze to remove the oxide on the welding pin in order to keep the welding pin in a good conductive state.
- The welding material should be cleaned before welding. If there is oil or oxide layer on the surface, remove them in time, otherwise poor welding may occur.
- Please use power supplies and accessories that meet safety standards. It is recommended to use SEQUIRE original accessories.
- Please ensure that the two welding pins are not touching before turning on the machine power.
- After use, the machine should be turned off, the charging power should be cut off. The welder should be stored in a place where children cannot easily reach.
- Without the permission of the relevant person in charge, people with insufficient experience and knowledge are not allowed to use this product.
- Do not disassemble or modify this product without permission, otherwise there is a risk of short circuit and fire of the energy storage capacitor.
- Do not use this product in a water mist environment or inflammable or explosive environment.



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