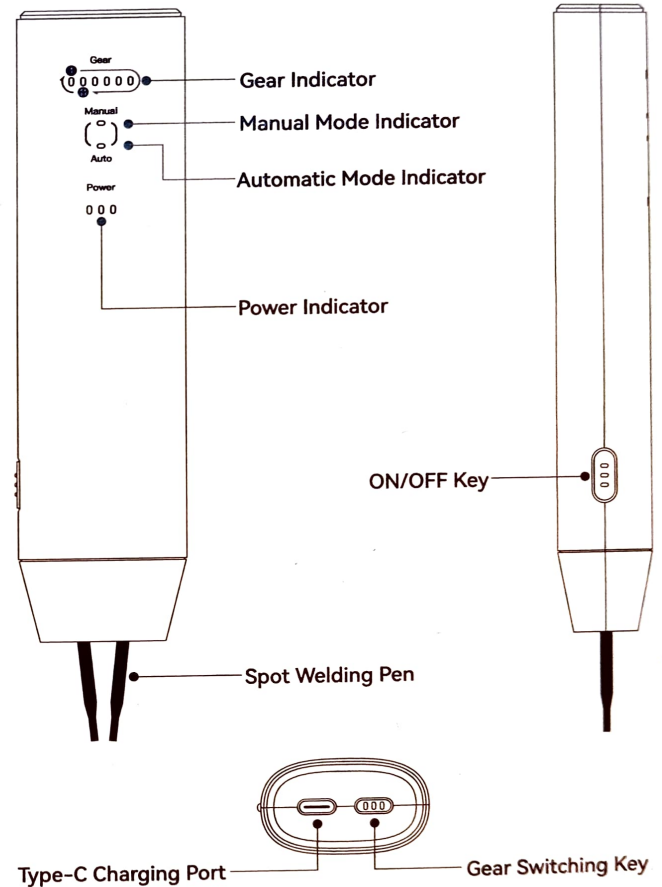


# Product Introduction

## Panel Introduction

# AWithZ












## H1 Battery Spot Welder Instruction Manual





## Instruction for Indicator Light

 Indicates lit up    Indicates extinguished    Indicates flashing





### 1. Gear indicator (from left to right):

	1st gear (low gear)
	2nd gear
	3rd gear
	4th gear
	5th gear
	6th gear
	7th gear
	8th gear
	9th gear
	10th gear
	11th gears (high gear)

### 2. Mode indicator

	It is manual mode now
	It is automatic mode now

### 3. Power indicator:

	Remaining power 65%–100%
	Remaining power 30%–65%
	Remaining power 5%–30%
	Remaining power <5%

## Key Description and Key Combination Function

### Power ON/OFF Key

#### Power ON/OFF:

Press and hold the key for 2 seconds to power ON/OFF the device.

#### System Reset:

Press and hold this key for 10 seconds to reset the whole system.

#### Manual Spot Weld Output:

In manual mode, when two welding pens are detected to be in contact with metal, the weld pen would output once when shortly pressing this key once.

### Gear Switching Key

#### Switching gears:

Shortly press the key to switch gears. There are 11 gears. When the output gear is set to the highest gear, then shortly press the key will revert to the 1st gear, during which the indicator will change accordingly. For the indicator of the corresponding gear, please turn to the chapter about indicator.

#### Switching mode: :

Press and hold the key for more than 2 seconds to switch between manual mode and automatic mode. In automatic mode, the welding pen will detect automatically and output once when two pens are detected to be in contact with metal. In manual mode, when two pens are detected to be in contact with metal, after shortly pressing the "Power ON/OFF Key", the pen will output once. The current mode can be judged by the indicator light, please refer to the relevant chapter for the description of the indicator light.

## Key Combination (Power ON/OFF key + Gear switching key)

Ultra-low power mode:

Press and hold the "Power ON/OFF Key" and "Gear Switching Key" at the same time for more than 2 seconds, the device enters the ultra-low power mode, charging or press and hold the key to turn on the device will release the machine from the ultra-low power mode.

## Automatic Shutdown

The product will automatically shut down when there is no operation for 8 minutes.

## Temperature Control Protection

In the spot welding function mode, the temperature would be between  $-10^{\circ}\text{C}$  and  $60^{\circ}\text{C}$ , and the charging, the temperature range is between  $0^{\circ}\text{C}$  and  $60^{\circ}\text{C}$ . When the temperature is higher or lower than the upper or the lower limit respectively, the product will enter into the protection mode, under which any spot welding is prohibited.

## Steps for 18650 Battery of Spot Welding

1. Make sure both ends of the battery are flat and clean without rust and corrosion.
2. Hold the spot welder in your hand, set the spot welder position, and press properly with force to make good contact between the weld pin and nickel, nickel and battery, with no overhang and no poor contact.
3. Wait for the welding current output.

*Note: You can try different gears and pressing force until the welding strength reaches the highest level. It should be noted that the higher the gear would not realize the firmer welding results.*

## Product Parameter

### Basic Specification

Product Name	Battery Spot Welder
Model Type	H1
Gear Setting	Adjustment among 11 gears
Spot Welding Mode	Automatic / Manual Gear
Size of Product	About 43*25*192mm

### Input/ Output

Input Interface	Type-C Charging Port
Input Parameters	5V/1A (MAX)
Output Voltage	4.2V (MAX)
Output Current	650A (MAX)

### Battery

Working Temperature	$-10\sim 60^{\circ}\text{C}$
Charging Temperature	$0\sim 60^{\circ}\text{C}$

## Q&A

### Q : What operations are prohibited?

- A:**
1. Please do not modify, disassemble or repair this product by yourself without permission.
  2. It is strictly forbidden to make the product contact with any liquid. Please do not immerse the product in water or get it wet. Do not use the machine in the rain or in a humid environment.
  3. The product is recommended to be used in the ambient temperature between 15°C and 50°C. If use the product beyond the temperature range, it would affect the spot welding effect and service life of the spot welding machine.

### Q : Would please give some notes about charging?

- A:**
1. When the power is lower than 30%, the output power will drop and the spot welding effect will be weakened, the best effect is to keep the power at 65% or more when spot welding, and this product supports charging while using.
  2. When the power of the spot welding machine is low, please charge it in a timely manner by using the charger with 5V voltage. It is recommended to use the charger with 5V/1A or higher to achieve the fastest charging effect.
  3. When the product is charging, the power indicator will be flashing with frequency. When the power indicator is fully lit and stops flashing, it indicates that charging is completed.

### Q : How to store the spot welder?

- A:** Please store the spot welder after it is fully charged and re-charge and discharge it every 1-2 months or so to keep the battery active.

### Q : What about the tips for welding?

- A:**
1. When conduct spot welding, please gently put the spot welding pen on the nickel piece, do not press the spot welding pen. If the welding point is blackened, please adjust the gear to the lower level; in case of weld pool, please adjust the gear to the higher level. Before welding, you can try on the blade, stainless steel bowl and other surfaces larger iron stainless steel, and the welding would be much easier for welding battery.
  2. After using the spot welding pen repeatedly for a while, the welding needle may be oxidated. If the welding performance decline, it is recommended to use 1,000 mesh sponge sandpaper gently polished or gently grind off the blackened part with a file.