

# BATTERY WELDER ARC150

Suitable for Repair welding high up in the mountains  
Field erection jobs out in the country  
Welding work at exposed locations



# ARC 150 Battery Welder

Display for charging  
Display for battery level



## Quick Guide

### Applications

Repair in field

### Processes

MMA (SMAW)

**Amperage Range** 5-120A  
**Net Weight** 3.8kgs  
**Dimensions** 266\*158\*220(mm)

## ARC 150 Battery Welder



Range is designed to provide basic functionality at an affordable price point, catering primarily to entry-level welders, hobbyists, and occasional users. It provides a balance between affordability and functionality, making them ideal for beginners or occasional users who require basic welding capabilities without the complexity or cost of more advanced equipment.

### Reliability



Over Voltage Protection

Over voltage protection



Over Current Protection

Over current protection



Over Heat Protection

Over heat protection



# Features and Benefits

- Operation without main power supply.
- Extremely compact weight 3.8kg.
- Display for charging.
- Display for battery level.
- Lithium battery.
- External charger.
- Standard charger for double batteries to 100% in 180 minutes( AC 100-230V ).
- Optional super charger for double batteries to 100% in 60 minutes (AC 220V).
- Hot start.
- Arc force.
- Anti-stick.
- Fan on demand.
- Over voltage and under voltage protection.



*Side view*



*Front view*



*Rear view*

# ARC 150 Battery Welder Optional Accessories

## *Machine Optional Accessories*

- Li2040 battery
- 1.5m welding cable and electrode holder
- 1.5m earth cable and earth clamp
- Charger
- Belt
- DC battery cable



## Genuine ARC 150 Battery Welder Accessories



*1.5m Earth cable  
and earth clamp*



*1.5m Welding cable  
and electrode holder*



*Li2040 battery*



*Charger*



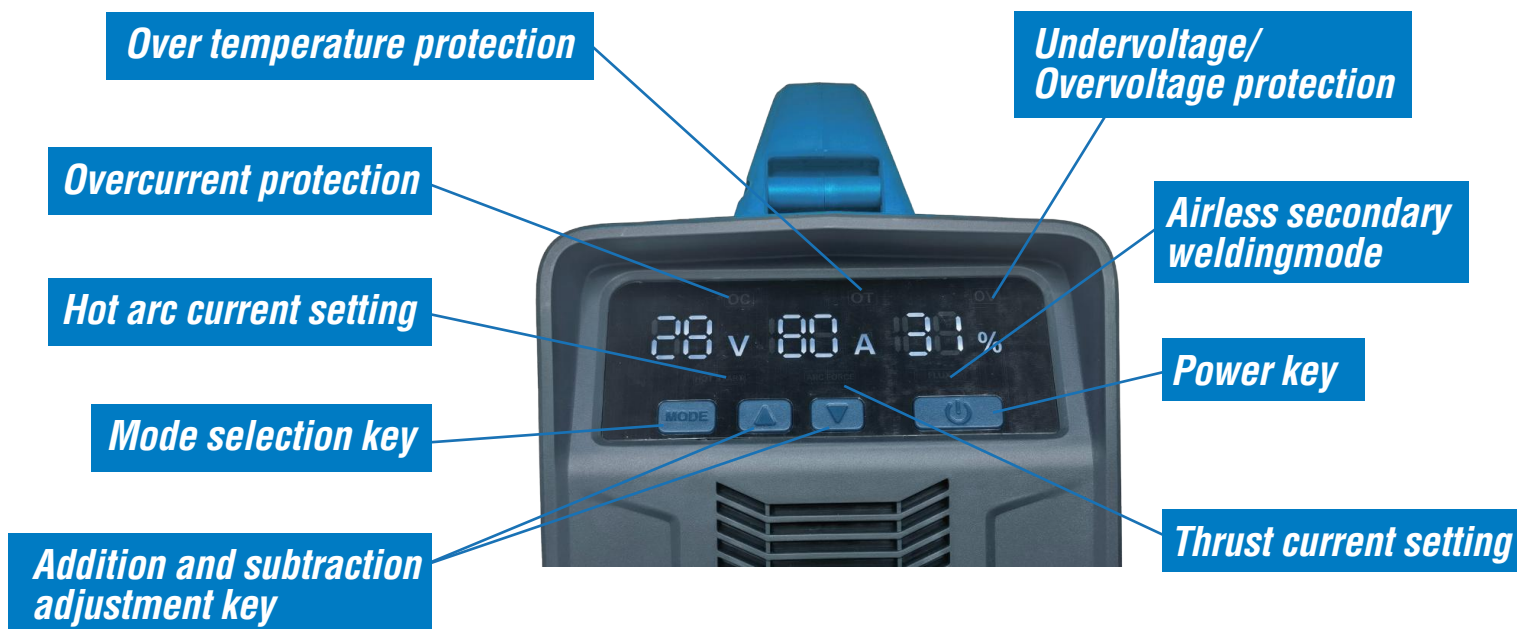
*Belt*



*DC battery cable*

# Control Panel

Key function	Power	Press the control system on and off
	Mode/Settings	<p>Press the mode setting key: cycle switching welding parameter settings</p> <p>Welding current → arc initiation current</p> <p>No-load output voltage ← thrust current</p> <p>Press and hold: Set the welding parameter to the default value of Gasless welding(20V65A), and the AUTO/FLUX light is on</p>
	Adjustment (+)	Increase current setting value
	Reconciliation(-)	Decrease current setting value
Key function	Voltage display (Unit: V)	<p>In the setting state: The voltage value flashes to show the current setting voltage</p> <p>Not in the setting state: Display the current output voltage in real time</p>
	Current display (Unit: A)	<p>When there is welding current: Display the current welding current</p> <p>No welding current</p> <p>-Flash arc ignition icon: Display arc ignition current setting value</p> <p>-Thrust icon flashing: Display thrust current settings</p> <p>-Arc and thrust icon extinguished: Displays welding current settings</p>
	Power display (%)	<p>1. Battery mode: Display the current battery pack power in real time;</p> <p>2. External power supply mode: SOC displays the external power supply voltage;</p>
	Overflow icon	Always on when triggering overcurrent protection
	Overheating icon	Always on when over-temperature protection is triggered
	Charge icon	The power is displayed in a timely manner according to the percentage, always on
	Arc ignition icon	Flash only when arc current is set, other states are extinguished
	Thrust icon	Flash only when thrust current is set, other states go out
	AUTO/FLUX icon	<p>When the icon is always on, the operating parameters of the electric welder are set in the airless secondary welding mode; The default values are as follows:</p> <ol style="list-style-type: none"> <li>1. Arc current: 30A</li> <li>2. Thrust current: 30A</li> <li>3. Welding current: 65A</li> <li>4. No-load output voltage: 20V</li> </ol>



## Machine parameters

Model **ARC 150 Battery Welder**

### Battery Pack Mode

Rated Output Power	2000W	Current Range	5A–120A
Battery Voltage	60V/80V	No-load Voltage	48V
Battery Capacity	60V@216Wh/80V@296Wh	Temperature Protection	75°C
Welding Capacity @full charge	7-8pcs 2.5*300mm 4-5pcs 3.5*350mm	Compatible Materials	Stainless Steel Carbon Steel Low Alloy Steel

### External Power Supply Mode

Rated Output Power	3000W	Current Adjustment Range	5A–160A
Input Voltage Range	36V–84V	No-load Voltage	48V
Welding Capacity	Φ2.5mm/unlimited Φ3.2mm/unlimited Φ4.0mm/unlimited	Compatible Materials	Stainless Steel Carbon Steel Low Alloy Steel

### Environmental Parameters

Working Temperature(°C)	-15°C - 40°C	External Power Capacity	3000W
Standard Operation	100% Load	Compatible Materials	Stainless Steel Carbon Steel Low Alloy Steel
Dimensions(mm)	266*158*220	Weight(kg)	3.8

Battery Pack Specifications	
Item	Model 2040
Voltage Platform	20V/40V dual platform
Rated Capacity	20V@88Ah / 40V@84Ah
Rated Energy	148Wh
Charge Overvoltage Protection	4.2V/cell
Charge Overtemperature Protection	50°C
Discharge Undervoltage Protection	2.7V/cell
Discharge Overcurrent Protection	50A for 2s
Discharge Overtemperature Protection	75°C

Charger Specifications	
Item	Model 2040
Input Voltage Range	100-230V AC
Output Parameters	21V @ 2A
Charging Mode	CC/CV
Temperature Protection	Yes
Cooling Method	Forced Air Cooling
Communication Function	Yes

## Special symbols



Hot Start



Arc Force



Lithium  
Battery



Super  
Charging