

OWNERS OPERATING MANUAL INVERTER DC ARC WELDERS ZX7 SERIES



CONGRATULATIONS ON YOUR PURCHASE OF A QUALITY INVERTER DC ARC WELDER, IT WILL PROVIDE YEARS OF RELIABLE SERVICE.

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SAFETY INSTRUCTONS

When using power equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following.

If used correctly welding pose little risk to the operator however, care should always be taken to ensure safe and proper performance. Read all owner operating instructions before attempting to operate any product.

FOR SAFE OPERATION:

- Keep the work area clean.
 - Cluttered work areas invite injuries (indoor and outdoor).
- Consider the work environment.

Don't expose power equipment to rain or any other liquid.

Don't use welding equipment in damp of wet locations.

Keep your work area well lit. Don't use welding equipment in the presence of flammable liquids or gases.

- Guard against electric shock.
 - Avoid body contact with grounded surfaces (e.g. Pipes, radiators and electrical appliances).
- Keep children and visitors away.

Keep children and visitors away from the area of operation. Do not let children or visitors touch equipment or extension cables.

- Store idle machinery.
 - When power equipment is not in use, keep them in a dry, high or locked up area away from children.
- Wear safety glasses
 - Always wear safety glasses or other suitable eye protection when using welding equipment.

Secure Work.

Use clamps or a vice whenever possible to secure your work piece

· Don't over reach.

Keep proper footing and balance at all times.

Dress properly.

DO NOT wear loose clothing or jewellery; they can be caught in moving parts. Wear protective hair covering to cover long hair, using gloves and non-slip footwear is recommended when working outdoors.

Take care of cables.

Never carry welding equipment by the cable and never pull the cable to disconnect it from the socket. Keep cables away from heat, oil and sharp edges. Replace damaged cables.

Disconnect Tools.

Disconnect welding equipment when not in use, before servicing, and when changing accessories on other tools such as blades, bits and cutters.

Avoid unintentional operation.

Don't carry plugged in welding equipment with a finger on the switch. Be sure that the switch is off when plugging in the machine.

· Outdoor use; extension cables.

When electric power equipment is used outdoors, only use extension cables market as suitable for outdoor use.

Stay Alert.

Watch what you are doing. Use common sense. Do not operate welders when you are tired or under the influence of alcohol or drugs.

Check damaged parts.

Before using welding equipment, parts that are damaged should be carefully checked to determine that they will operate properly and perform their intended function. Any part that is damaged should be properly repaired or replaced by an authorized service agent. Do not operate power equipment if it cannot be turned OFF and ON by the switch.

Repair of power equipment by experts.

Power equipment is built in accordance with relevant safety authority requirements. The repair of power equipment must only be carried out by experts; non-expert repairs may cause considerable danger for the user and void warranty.

DESCRIPTION OF MACHINES

These models are portable inverter DC ARC Welders. The robust format makes them versatile and effective for a variety of uses. The welder compliance to current regulations and the optimum quality of materials used will ensure a long working life with complete safety.

SPECIFICATION - IEC Certified

Model: SOLDA-215

Mains Voltage

220V

Duty Cycle

40% @ 35 ℃

Welding Current

20 -215A

Minimum Electrode

1.6mm

Maximum Electrode

4.0mm

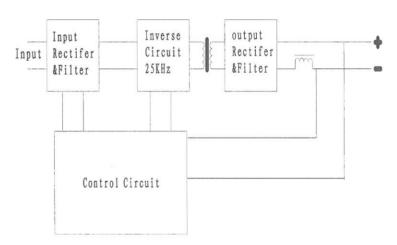
ACCESSORIES

- Electrode Holder
- Earth Clamp
- Hand Held Face Mask
- Wire Brush

FEATURES AND BENEFITS

- ANTI-SHOCK CLAMP
- ACCESSORIES INCLUDED
- 20 AMP SINGLE PHASE CABLE
- PORTABLE
- DOUBLE COOLING FAN
- EUROPEAN CONFORMITY

CURCUIT DIAGRAM



OPERATION

- Step 1: Plug in the Earth and Positive cable.
- Step 2: Select desired AMP you wish to use.
- Step 3: Switch on the inverter.
- Step 4: Select the correct diameter electrode according to the thickness of the work piece you intend to weld. Press the side lever to open the clamp, insert the electrode into the V-groove and release side lever. Ensure that the electrode is correctly inserted inside the electrode holder.
- Step 5: To ensure earth has good contact, clean the work piece with a wire brush. Attached the earth clamp to the cleaned area to ensure good contact.

WHAT IS AN INVERTER WELDER

Inverter welders are welders that transform high voltage, low amperage into low voltage, high amperage power which is required for welding. This is done by using a transformer.

The difference between inverters and other types of welders is that inverters welders increase the frequency of the primary power supply, which in turn reduced the size of the transformer. This is done through an ON/OFF action of high powered solid state switches that creates the DC power.

By controlling the power on the primary side of the transformers and boosting the frequency, the inverter welders are able to create light weight solutions compared to ARC and MIG welder types.

SET UP OF THE INVERTER WELDER

