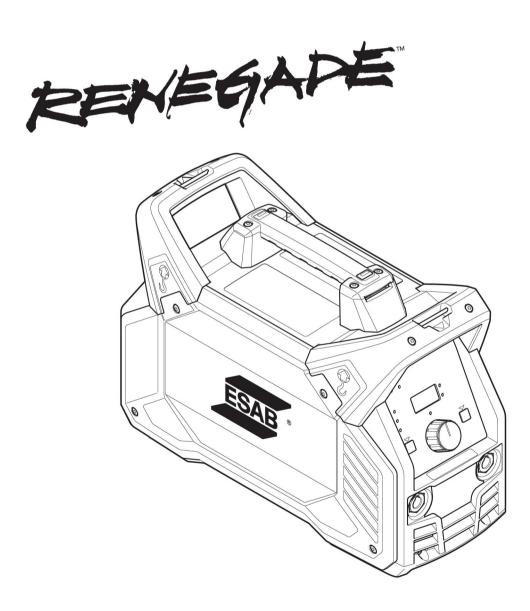


ES 300i Welding power source 300 A MMA



Instruction manual

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1 SAFETY

1.1 Meaning of symbols

As used throughout this manual: Means Attention! Be Alert!

DANGER!

Means immediate hazards which, if not avoided, will result in immediate, serious personal injury or loss of life.

WARNING!

Means potential hazards which could result in personal injury or loss of life.



CAUTION!

Means hazards which could result in minor personal injury.



WARNING!

Before use, read and understand the instruction manual and follow all labels, employer's safety practices and Safety Data Sheets (SDSs).



1.2 Safety precautions

Users of ESAB equipment have the ultimate responsibility for ensuring that anyone who works on or near the equipment observes all the relevant safety precautions. Safety precautions must meet the requirements that apply to this type of equipment. The following recommendations should be observed in addition to the standard regulations that apply to the workplace.

All work must be carried out by trained personnel well-acquainted with the operation of the equipment. Incorrect operation of the equipment may lead to hazardous situations which can result in injury to the operator and damage to the equipment.

- 1. Anyone who uses the equipment must be familiar with:
 - \circ its operation
 - location of emergency stops
 - \circ its function
 - relevant safety precautions
 - welding and cutting or other applicable operation of the equipment
- 2. The operator must ensure that:
 - no unauthorised person is stationed within the working area of the equipment when it is started up
 - \circ $\,$ no-one is unprotected when the arc is struck or work is started with the equipment
 - The workplace must:
 - be suitable for the purpose
 - be free from drafts

3.

- 4. Personal safety equipment:
 - Always wear recommended personal safety equipment, such as safety glasses, flame-proof clothing, safety gloves
 - Do not wear loose-fitting items, such as scarves, bracelets, rings, etc., which could become trapped or cause burns
- 5. General precautions:
 - Make sure the return cable is connected securely
 - Work on high voltage equipment may only be carried out by a qualified electrician
 - Appropriate fire extinguishing equipment must be clearly marked and close at hand
 - Lubrication and maintenance must **not** be carried out on the equipment during operation



WARNING!

Arc welding and cutting can be injurious to yourself and others. Take precautions when welding and cutting.



ELECTRIC SHOCK - Can kill

- Install and ground the unit in accordance with instruction manual.
- Do not touch live electrical parts or electrodes with bare skin, wet gloves or wet clothing.
- Insulate yourself from work and ground.
- Ensure your working position is safe



ELECTRIC AND MAGNETIC FIELDS - Can be dangerous to health

- Welders having pacemakers should consult their physician before welding. EMF may interfere with some pacemakers.
- Exposure to EMF may have other health effects which are unknown.
- Welders should use the following procedures to minimize exposure to EMF:
 - Route the electrode and work cables together on the same side of your body. Secure them with tape when possible. Do not place your body between the torch and work cables. Never coil the torch or work cable around your body. Keep welding power source and cables as far away from your body as possible.
 - Connect the work cable to the workpiece as close as possible to the area being welded.

FUMES AND GASES - Can be dangerous to health



- Keep your head out of the fumes.
- Use ventilation, extraction at the arc, or both, to take fumes and gases away from your breathing zone and the general area.

ARC RAYS - Can injure eyes and burn skin

NOISE - Excessive noise can damage hearing



- Protect your eyes and body. Use the correct welding screen and filter lens and wear protective clothing.
- Protect bystanders with suitable screens or curtains.

·ð

Protect your ears. Use earmuffs or other hearing protection.

MOVING PARTS - Can cause injuries



Keep all doors, panels and covers closed and securely in place. Have only qualified people remove covers for maintenance and troubleshooting as necessary. Reinstall panels or covers and close doors when service is finished and before starting engine.

- Stop engine before installing or connecting unit.
- Keep hands, hair, loose clothing and tools away from moving parts.



FIRE HAZARD

- Sparks (spatter) can cause fire. Make sure that there are no inflammable materials nearby.
- Do not use on closed containers.

MALFUNCTION - Call for expert assistance in the event of malfunction. PROTECT YOURSELF AND OTHERS!



CAUTION!

This product is solely intended for arc welding.



WARNING!

Do not use the power source for thawing frozen pipes.



CAUTION!

Class A equipment is not intended for use in residential locations where the electrical power is provided by the public low-voltage supply system. There may be potential difficulties in ensuring electromagnetic compatibility of class A equipment in those locations, due to conducted as well as radiated disturbances.



NOTE!

Dispose of electronic equipment at the recycling facility!

In observance of European Directive 2012/19/EC on Waste Electrical and Electronic Equipment and its implementation in accordance with national law, electrical and/or electronic equipment that has reached the end of its life must be disposed of at a recycling facility.

As the person responsible for the equipment, it is your responsibility to obtain information on approved collection stations.

For further information contact the nearest ESAB dealer.

ESAB has an assortment of welding accessories and personal protection equipment for purchase. For ordering information contact your local ESAB dealer or visit us on our website.

2 INTRODUCTION

2.1 Overview

The **ES 300**i is a welding power source intended for welding with coated electrodes (MMA) and TIG welding.

ESAB accessories for the product can be found in the "ACCESSORIES" chapter of this manual.

2.2 Equipment

The power source is supplied with:

- instruction manual
- 3 m mains cable without plug

3 TECHNICAL DATA

	ES 300i (0445 100 882)				
Mains voltage	220-480 V±10%, 3~ 50/60 Hz	220 V±10%, 1~ 50/60 Hz			
Primary current	Primary current				
I _{max} Stick (SMAW)	32.0 A	29.0 A			
I _{max} GTAW (TIG)	21.0 A	20.0 A			
No-load power demand when in the energy-saving mode	91 W	91 W ¹⁾ , 74 W ²⁾			
Setting range					
Stick (SMAW)	5 A / 20 V - 300 A / 32 V	5 A / 20 V - 200 A / 32 V			
GTAW (TIG)	5 A / 10 V - 300 A / 22 V	5 A / 10 V - 200 A / 18 V			
Permissible load at Stick (SM	IAW)				
40% duty cycle	300 A / 32.0 V				
60% duty cycle	250 A / 30.0 V				
100% duty cycle	200 A / 28.0 V	200 A / 28.0 V			
Permissible load at GTAW (T	ÎG)				
40% duty cycle	300 A / 22.0 V				
60% duty cycle	250 A / 20.0 V				
100% duty cycle	200 A / 18.0 V	200 A / 18.0 V			
Apparent power I ₂ at	11.3 kVA	6.6 kVA			
maximum current					
Active power I ₂ at maximum current	10.8 kW	6.5 kW			
Power factor at maximum cur	rent				
GTAW (TIG)	0.96	0.96 ¹), 0.98 ²)			
Stick (SMAW)	0.96	0.96 ¹⁾ , 0.99 ²⁾			
Efficiency at maximum currer	nt				
Stick (SMAW)	89%	89% ¹⁾ , 87% ²⁾			
GTAW (TIG)	85%	85% ¹⁾ , 84% ²⁾			
Open-circuit voltage U ₀ max					
VRD 35 V deactivated	48 V	48 V			
VRD 35 V activated	32 V ¹⁾ , 34 V ²⁾	32 V ¹⁾ , 34 V ²⁾			
Operating temperature	-10 to +40 °C (+14 to +104 °F)	-10 to +40 °C (+14 to +104 °F)			
Transportation temperature	-20 to +55 °C (-4 to +131 °F)	-20 to +55 °C (-4 to +131 °F)			
Continual sound pressure at no-load	< 70 db (A)	< 70 db (A)			
Dimensions I × w × h	460x200x320 mm (18.1x7.9x12.6 in.)	460x200x320 mm (18.1x7.9x12.6 in.)			
Weight	15 kg (33 lbs)	15 kg (33 lbs)			

3 TECHNICAL DATA

ES 300i (0445 100 882)				
Insulation class transformer F F				
Enclosure class	IP23	IP23		
Application class	S	S		

¹⁾ Serial number 627-xxx-xxxx to 643-xxx-xxxx

²⁾ From serial number 719-xxx-xxxx

Duty cycle

The duty cycle refers to the time as a percentage of a ten-minute period that you can weld or cut at a certain load without overloading. The duty cycle is valid for 40 °C / 104 °F, or below.

Enclosure class

The **IP** code indicates the enclosure class, i.e. the degree of protection against penetration by solid objects or water.

Equipment marked IP23 is intended for indoor and outdoor use.

Application class

The symbol S indicates that the power source is designed for use in areas with increased electrical hazard.

4 INSTALLATION

The installation must be carried out by a professional.

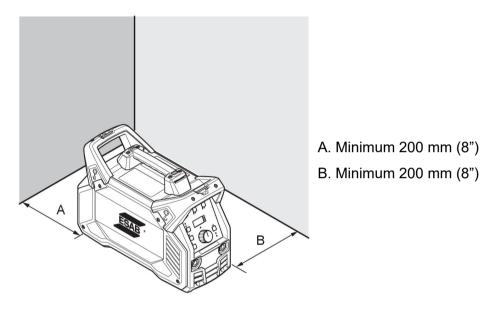


CAUTION!

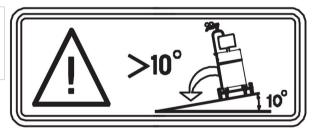
This product is intended for industrial use. In a domestic environment this product may cause radio interference. It is the user's responsibility to take adequate precautions.

4.1 Location

Position the power source so that its cooling air inlets and outlets are not obstructed.

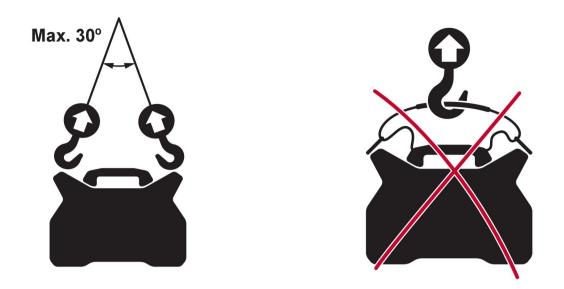


Secure the equipment - particularly if the ground is uneven or sloping.



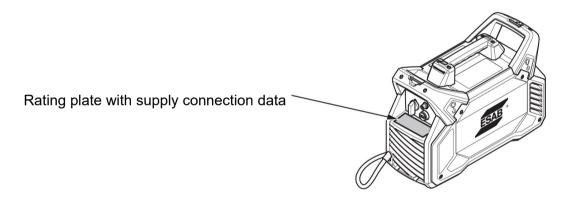
4.2 Lifting instructions

Mechanical lifting must be done with both outer handles.



4.3 Mains supply

The power source will automatically adjust to the supplied input voltage; make sure it is protected by the correct fuse rating. A protective earth connection must be made, in accordance with regulations.



Rec	Recommended fuse sizes and minimum cable area ES300						
Mains voltage	220 V 3~ 50/60 Hz		400 V 3~ 50/60 Hz		480 V 3~ 50/60 Hz	-	230 V 1~ 60 Hz
Mains cable area	4×4 mm² / 4×12 AWG	4×2.5 mm² / 4×15 AWG	4×2.5 mm² / 4×16 AWG	4×2.5 mm² / 4×16 AWG	4×2.5 mm² / 4×16 AWG	3×6 mm² / 3×10 AWG	3×6 mm² / 3×10 AWG
Maximal current rating I _{max} MMA / Stick (SMAW)	30.2 A	17.0 A	16.0 A	16.0 A	14.0 A	29.0 A	28.0 A
I _{1eff} MMA / Stick (SMAW)	18.5 A	11.0 A	10.0 A	10.0 A	9.0 A	29.0 A	28.0 A

Rec	Recommended fuse sizes and minimum cable area ES300						
Mains voltage	220 V 3~ 50/60 Hz	380 V 3~ 50/60 Hz	400 V 3~ 50/60 Hz	440 V 3~ 50/60 Hz			230 V 1~ 60 Hz
Fuse anti-surge	20 A	16 A	10 A	10 A	10 A	35 A	35 A
type C MCB	20 A	16 A	16 A	10 A	10 A	35 A	35 A
Maximum recommended extension cord length	100 m / 330 ft	100 m / 330 ft	100 m / 330 ft	100 m / 330 ft	100 m / 330 ft	100 m / 330 ft	100 m / 330 ft
Minimum recommended extension cord size	4×4 mm² / 4×12 AWG	4×4 mm² / 4×12 AWG	4×4 mm² / 4×12 AWG	4×4 mm² / 4×12 AWG	4×4 mm² / 4×12 AWG	3×6 mm² / 3×10 AWG	3×6 mm² / 3×10 AWG



NOTE!

Different variants of ES 300i are certified for different mains voltage. Always refer to the rating plate for the specification of the power source in use.

NOTE!

The mains cable areas and fuse sizes as shown above are in accordance with Swedish regulations. Use the power source in accordance with the relevant national regulations.

Supply from power generators

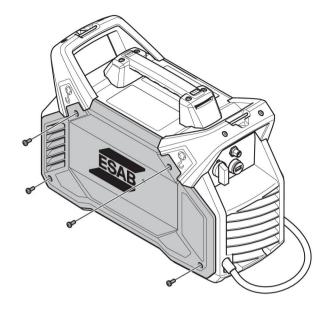
The power source can be supplied from different types of generators. However, some generators may not provide sufficient power for the welding power source to operate correctly. Generators with Automatic Voltage Regulation (AVR) or with equivalent or better type of regulation, with rated power 20 kW, are recommended.

Installation of mains cable



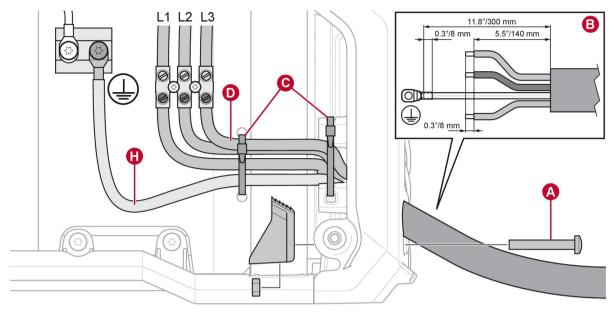
NOTE!

The power source is delivered with a 4×12 AWG mains cable which can handle the rated data given for 3-phase 220–480 V mains supply. If other mains voltage is required, the mains cable may be changed according to relevant national regulations. For recommendations, see section Recommended fuse sizes and minimum cable area.

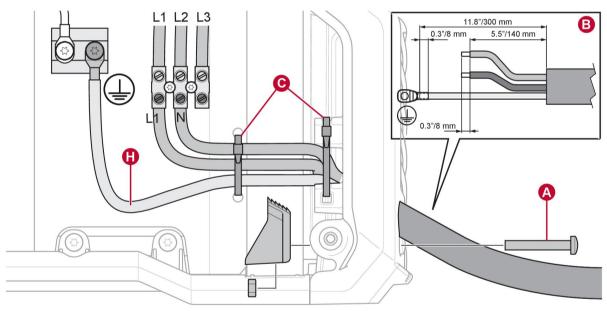


- 1. Remove the side panel.
- 2. If tightened, release the stopping block (A).
- 3. If a cable is connected, disconnect all wires, cut the cable tie **(C)**, and remove the cable.
- 4. Optional: The fan with foam can at this point be removed to simplify the installation. Note the direction of the fan (the sticker towards the inside).
- 5. Strip the new wire according to specification (B).
- 6. Insert the cable with about 1 cm (0.4 in.) of isolation inside the stopping block. Tighten the stopping block by using 1.5–2 Nm (13.3–17.7 in. lb) (A).
- 7. Use two cable ties to fasten the cables (C).
- 8. Optional: If the fan with foam has been removed it shall now be re-installed. A symbol on the side of the fan **(G)** shows the air flow direction.
- 9. Connect the earth wire **(H)**. A toothed washer should be located closest to the heat sink. Tighten the screw to a torque of 6.0 ±0.6 Nm (53.1 ±5.3 in. lb).
- 10. Connect all wires in accordance with illustrations for 1-phase and 3-phase. L3 will only be used for 3-phase (**D**). Tighten the screw to a torque of 1.0 ± 0.2 Nm (8.9 ± 1.8 in. lb).
- 11. Ensure that the IP shield is correctly mounted on the inside of the side panel (E).
- 12. Reassemble the side panel (F).
- 13. Tighten the screws on the side panel with 3 ± 0.3 Nm (26.6 ± 2.7 in. lb).

3-phase



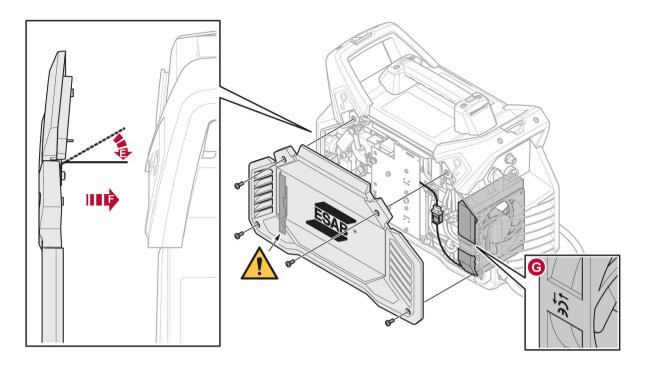
1-phase





WARNING!

In 1-phase operation the terminal L3 is powered, even though not connected. Make sure to keep terminal L3 disconnected.



5 OPERATION

5.1 Overview

General safety regulations for handling the equipment can be found in the chapter "Safety". Read it through before you start the equipment.



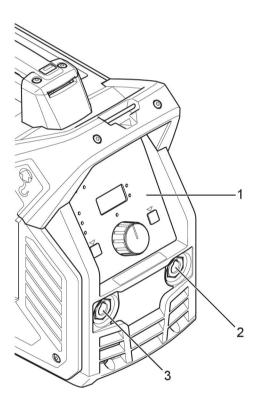
NOTE!

When moving the equipment use intended handle. Never pull the cables.

WARNING!

Electric shock! Do not touch the workpiece or the welding head during operation!

5.2 Connections and control devices



5. Mains power supply switch, O/I

6. USB connection

7. Mains cable

- 1. Setting panel
- 2. Positive welding terminal
- 3. Negative welding terminal
- 4. Connection for remote control unit

NOTE!

Always use the cover when the USB connection is not in use.

5.3 Connection of welding and return cables

The power source has two outputs, a positive welding terminal (+) and a negative welding terminal (-), for connecting welding and return cables. The output to which the welding cable is connected depends on the welding method or type of electrode used.

Connect the return cable to the other output on the power source. Secure the return cable's contact clamp to the work piece and ensure that there is good contact between the work piece and the output for the return cable on the power source.

- For TIG welding, the negative welding terminal (-) is used for the welding torch and the positive welding terminal (+) is used for the return cable.
- For MMA welding, the welding cable can be connected to the positive welding terminal (+) or negative welding terminal (-) depending on the type of electrode used. The connecting polarity is stated on the electrode packaging.

5.4 Turning the mains power on/off

Turn on the mains power by turning switch to the "I" position.

Turn the unit off by turning the switch to the "O" position.

Whether the mains power supply is interrupted or the power source is switched off in the normal manner, weld programs will be stored so that it is available next time the unit is started.



CAUTION!

Do not turn off the power source during welding (with load).

5.5 Fan control

The power source has an automatic thermal control. The fan continues to run during a few minutes after welding has stopped while the power source switches to energy-saving mode. The fan starts again when welding restarts.

During energy-saving mode the fan will start occasionally and run for a few minutes.

5.6 Thermal protection



The power source includes thermal protection against overheating. When overheating occurs the welding is stopped and overheating indicator on the panel will be lit and an error message shows in the display. The protection is automatically reset when the temperature has been sufficiently reduced.

5.7 Functions and symbols



MMA welding

MMA welding may also be referred to as welding with coated electrodes. Striking the arc melts the electrode, and its coating forms protective slag.

For MMA welding the power source shall be supplemented with:

- welding cable with electrode holder
- return cable with clamp



Soft/Crisp

The arc force function determines how the current changes in response to Crisp variations in arc length during welding. Use a low value (Soft) to get a calm arc with little spatter and use a high value (Crisp) to get a hot and digging arc.

Soft/Crisp only applies to MMA welding.



Cel 6010

Optimised arc characteristics for cellulosic electrodes such as 6010 and similar.



TIG welding

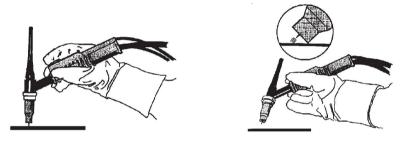
TIG welding melts the metal of the workpiece, using an arc struck from a tungsten electrode that does not melt. The weld pool and electrode are protected by shielding gas.

For TIG welding, the welding power source shall be supplemented with:

- a TIG torch with gas valve
- an argon gas cylinder
- an argon gas regulator
- tungsten electrode

This power source performs Live TIG start.

The tungsten electrode is placed against the workpiece. When lifted away from workpiece the arc is struck at a limited current level.

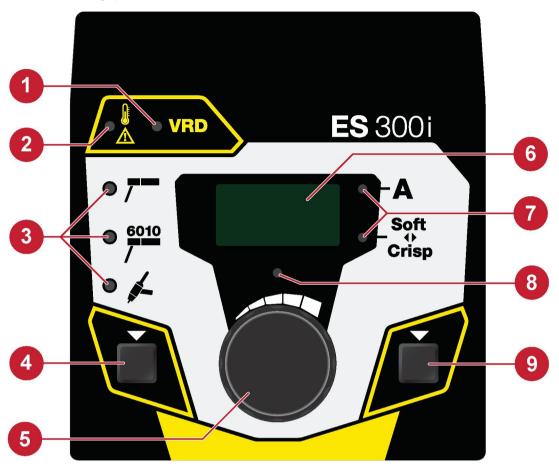


Voltage Reduction Device (VRD)



The VRD function ensures that the open-circuit voltage does not exceed 35 V when welding is not being carried out. This is indicated by a lit VRD indicator on the panel. Contact an authorised ESAB service technician to activate this function.

5.8 Setting panel



6. Display, shows set or measured value.

9. Select parameter to show in display,

7. Display parameter indicator.

8. Set indicator.

indicated by (7).

- 1. VRD function (reduced open-circuit voltage) indicator.
- 2. Overheating indication.
- 3. Indication of welding method MMA, MMA with electrode type "cellulose" or TIG.
- 4. Select welding method, indicated by (3).
- 5. Knob for setting data.

5.8.1 Navigation

Parameter selection

By pressing the button (9) different values can be shown and changed. Use the knob (5) to change the values. The sequence is:

- 1. Set current values.
- 2. Measured current values.
- 3. Soft/Crisp, 0-100%. (only MMA))

Set parameter

The set indicator (8) will be lit when a value can be changed. It cannot be changed from the panel when a remote is activated. Trying to change a value while in measured value mode will result in automatically move to set current value mode.

5.9 Remote control

Connect the remote control on the rear side of the power source. When the remote control is connected it is automatically activated, the control panel is locked for interaction but displays actual welding data.

5.10 USB connection

Always use the USB cover when the USB connection is not in use.



Do not use for charging units such as mobile phones.

The welding process is blocked when a USB flash drive is connected. The USB connection can be used to retrieve welding statistics. The statistics contains of total number of welds performed, total welding time and average current.

Retrieving welding statistics

Always make sure that the power source is not used for welding when retrieving welding statistics.

- 1. Insert an empty USB flash drive into the power source USB connector.
- 2. To confirm that the power source has read the USB flash drive, the text "USB" flashes in the display for a moment, after which the text "USB" is shown with fixed light.
- 3. When the text "USB" is shown with fixed light: Remove the USB flash drive from the USB connector.
- 4. The USB flash will contain a text file (.txt) with the welding statistics.
- 5. Recommended program for opening the text file is Microsoft WordPad or Microsoft Word.

6 MAINTENANCE



WARNING!

Disconnect power before performing maintenance.



CAUTION!

Only persons with the appropriate electrical knowledge (authorised personnel) may remove safety plates.



CAUTION!

The product is covered by manufacturer's warranty. Any attempt to carry out repair work by non-authorised service centers will invalidate the warranty.



NOTE!

Regular maintenance is important for safe and reliable operation.



NOTE!

Perform maintenance more often during severe dusty conditions.

Before each use - make sure that:

- Product and cables are not damaged,
- The torch is clean and not damaged.

6.1 Routine maintenance

Maintenance schedule during normal conditions. Check equipment prior to every use.

Interval		Area to maintain	
Every 3 month			
	Clean or replace unreadable labels.	Clean weld terminals.	Check or replace weld cables.
Every 6 month	Clean inside equipment. Use dry compressed air with reduced pressure.		

6.2 Cleaning instruction

To maintain the performance and increase the lifetime of the power source it is mandatory to clean it regularly. How often depends on:

- · the welding process
- the arc time
- the working environment



CAUTION!

Make sure that the cleaning procedure is done in a suitable prepared workspace.



CAUTION!

During cleaning, always wear recommended personal safety equipment, such as ear plugs, safety glasses, masks, gloves and safety shoes.

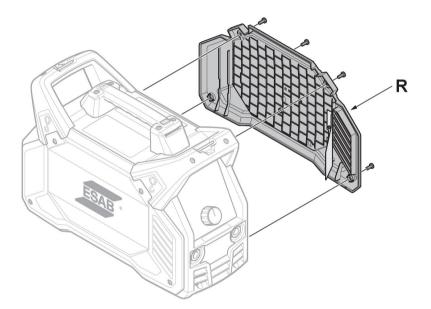
1. Disconnect the power source from the mains supply.



WARNING!

Wait at least 30 seconds for the capacitors to discharge before continuing.

2. Remove the four screws holding the right side panel (R) and remove the panel.



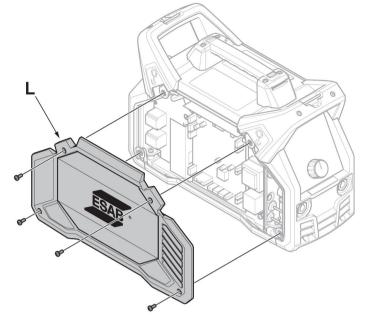
3. Clean the right side of the power source, using dry compressed air with reduced pressure.

NOTE!

1

Since the power source contains one "dirty side" (the right side) and one "clean side" (the left side), it is important that you do not remove **the left** side panel before cleaning the right side of the power source.

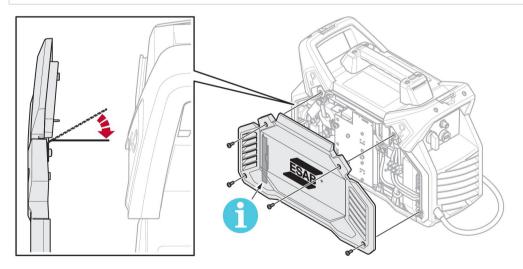
4. Remove the four screws holding the left side panel (L) and remove the panel.



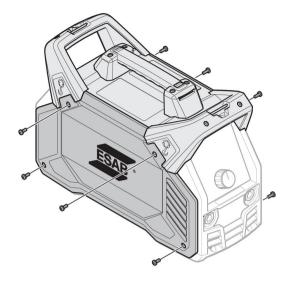
- 5. Clean the left side of the power source, using dry compressed air with reduced pressure.
- 6. Make sure that there is no dust left on any part of the power source.
- 7. After having finished cleaning the power source, reattach the power source panels in the reverse order.



When reattaching the right side panel, make sure the IP shield on the inside of the panel is in the correct position. The IP shield should be angled approximately 90° into the power source, so that it is positioned between the welding outlet connector and the transformer outlets.



8. Tighten the screws on the side panels with 3 Nm \pm 0.3 Nm (26.6 in lb. \pm 2.6).



7 TROUBLESHOOTING

Perform these checks and inspections before sending for an authorised service technician.

Type of fault	Corrective action
MMA welding problems	 Check that the welding and return cables are correctly connected on the power source. Make sure the return clamp has proper contact with the work piece. Check that the correct electrodes and polarity are being used. For polarity, check electrode packaging. Check that the correct current value is set. Adjust Arc Force and Hot start.
TIG welding problems	 Check that the welding and return cables are correctly connected on power source. Make sure the return clamp has proper contact with the work piece. Make sure the TIG torch lead is connected to negative welding terminal. Make sure the correct shielding gas, gas flow, welding current, filler rod placement, electrode diameter and welding mode on power source is used. Make sure the gas valve on the TIG torch is on.
No arc	 Check that display is on to verify that the power source has power. Check setting panel display correct values. Check that the mains power supply switch is turned on. Check that the mains, welding and return cables are correctly connected. Check the mains power supply fuses.
Welding current is interrupted during welding	 Check whether the overheating light (thermal protection) at setting panel is on. Continue with fault type "No Arc".
The thermal protection trips frequently	 Make sure the recommended duty cycle for the weld current has not been exceeded. See section "Duty cycle" in the TECHNICHAL DATA chapter. Make sure the air inlets or outlets are not clogged. Clean inside machine according to routine mainteance.

8 ERROR CODES

The error code is used to indicate that a fault has occurred in the equipment. Errors are indicated by the text "Err" followed by the error code number shown in the display.

If several errors have been detected only the code for the last occurring error is displayed.

8.1 Error code descriptions

Error codes that the user can handle are listed below. If any other error code appears, contact an authorised ESAB service technician.

Error code	Description
Err 1	Temperature fault The temperature of the power source is too high. A LED indicating temperature fault is also lit on the panel. A temperature fault is indicated by the overheating indicator on the control panel.
	Action: The error code will automatically disappear and the LED indicating temperature fault will be turned off when the power source has cooled down and is ready for use again. If the error persists, contact a service technician.
Err 3	Power supply fault The power supply to the power source is too low or too high.
	One phase is lost during 3-phase operation. Third phase voltage detected during 1-phase operation.
	Action: Make sure the power supply is stable, all leads are connected, that the mains voltage (all 3 phases) are OK and restart the system. If the error persists, contact a service technician.
Err 4	Communication fault The communication in the power source has been disrupted.
	Action: Check cables and connections, restart the power source. If the error persists, contact a service technician.
Err 5	Memory fault The program memory is damaged. This fault can disable preset functions or other functions where values are stored.
	Action: Remove the error indication from the display by pressing a button on the panel. Restart the power source. If the error persists, contact a service technician.
Err 6	Timing fault The power source electronics are not able to execute all functions in a timely fashion.
	Action: Restart the power source. If the error persists, contact a service technician.
Err 7	OCV fault The OCV is too high or the electronic control of the OCV has been disrupted.
	Action: Restart the power source. If the error persists, contact a service technician.

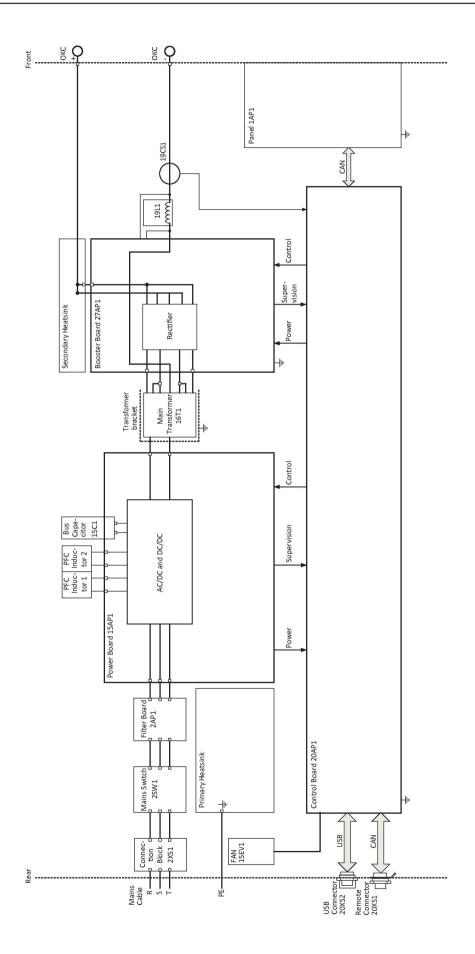
9 ORDERING SPARE PARTS

Repair and electrical work should be performed by an authorised ESAB service technician. Use only ESAB original spare and wear parts.

The ES 300i is designed and tested in accordance with international and european standard **IEC/EN 60974-1**. On completion of service or repair work, it is the responsibility of the person(s) performing the work to ensure that the product still complies with the requirements of the above standard.

Spare parts and wear parts can be ordered through your nearest ESAB dealer, see esab.com. When ordering, please state product type, serial number, designation and spare part number in accordance with the spare parts list. This facilitates dispatch and ensures correct delivery.

DIAGRAM



ORDERING NUMBERS



Ordering number	Denomination	Туре	Notes
0445 100 882	Welding power source	ES 300i	South America
0463 423 001	Spare parts list	ES 300i	

Technical documentation is available on the Internet at www.esab.com

ACCESSORIES

TIG torches		0
0700 300 539	TXH™ 151 V, OKC 50, 4 m	
0700 300 545	TXH™ 151 V, OKC 50, 8 m	B
0700 300 553	TXH™ 201 V, OKC 50, 4 m	
0700 300 556	TXH™ 201 V, OKC 50, 8 m	
0460 330 881	Trolley	
0445 197 880	Shoulder strap kit	
0700 006 902	Welding cable kit 3 meter, incl. electrode holder and OKC 50 connector	
0700 006 888	Welding cable kit 5 meter, incl. electrode holder and OKC 50 connector	
0700 006 903	Return cable kit 3 meter, incl. clamp and OKC 50 connector	
0700 006 889	Return cable kit 5 meter, incl. clamp and OKC 50 connector	
0160 360 881	OKC 50 male contact, pack 4 pcs	

0445 536 881	ER 1 Remote control. 5 m (16.4 ft) interconnection cable, 6 pin, included.	
0445 536 882	ER 1 Remote control. 10 m (32.8 ft) interconnection cable, 6 pin, included.	
0445 536 883	ER 1 Remote control. 25 m (82 ft) interconnection cable, 6 pin, included.	and the second sec
0445 280 880	Interconnection cable, 6 pin, 5 m (16.4 ft)	
0445 280 881	Interconnection cable, 6 pin, 10 m (32.8 ft)	
0445 280 882	Interconnection cable, 6 pin, 25 m (82 ft)	
0445 550 881	ER 1 F Foot pedal 5 m (16.4 ft) interconnection cable, 6 pin, included	
0445 254 880	Interconnection cable, 6 pin, 5 m (16.4 ft)	
0445 254 881	Interconnection cable, 6 pin, 10 m (32.8 ft)	
0445 840 880	Renegade analogue remote kit	
0445 870 880	Remote Control MMA3, 10 m	
0445 870 881	Remote Control MMA3, 25 m	
0445 693 880	Interconnection cable for analogue remote control MMA3, 10 m	
0445 693 881	Interconnection cable for analogue remote control MMA3, 25 m	
0445 694 880	Interconnection cable for analogue remote controls AT1 and AT1 C/F, 10 m	
0445 694 881	Interconnection cable for analogue remote controls AT1 and AT1 C/F, 25 m	



A WORLD OF PRODUCTS AND SOLUTIONS.



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http://manuals.esab.com



