

Invertec® CC 400-S/400-S Plus

Reliability- Flexibility

Invertec® CC 400-S is designed for reliability and durability with excellent arc character. Advanced Invertec® CC 400-S Plus can work as a touch start stick welder. High duty cycle makes it possible for welding with various sizes of electrodes. Built to IP23 Classification, ensure it can work under harsh working environment.

The inverter technology is used in the design of Invertec® CC 400-S and Invertec® CC 400-S Plus and provides the high level of efficiency and power factor which reduce the electricity and the cost of production during welding. It is designed with the hot start and arc force adjustment control system. Its perfect functions make it have excellent flexibility.

Invertec® CC 400-S Plus model is an ideal choice for field work such for engine compatibility and can work with cellulose electrode.



Processes

DC Stick, Touch Start TIG

Description

Output   Input  

Required Accessories

Electrode Holder with Cable, Work Cable with Clamp

Advantage Lincoln

- High current range - 400amp, enable it can work with 6mm electrode.
- S Plus model installed with output choke and can weld at the vertical down position.
- Adjustable hot start and arc force.
- Touch Start TIG makes it easy to achieve great arc start with minimal or no tungsten contamination.
- Extended cable up to 100m (350A, 700mm²) is suitable for long distance welding.
- Convenient operation interface with digital amperage and voltage meter.
- Overheating detection and fault alarm function.
- Remote control system enables S Plus machine to control the output current remotely.
- Built to IP23 classification, ensure reliability in harsh and demanding environmental conditions.

TECHNICAL SPECIFICATIONS

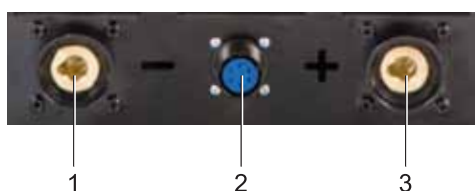
Product Name	Product Number	Input Power	Rated Output Current/Duty Cycle	Input Power @ Rated Output (KW)	Output Range	Dimensions H×W×D (mm)	Net Weight (Kg)
Invertec® CC 400-S	K60060-1	380V-415V (±10%)/ 3Ph/50HZ/60HZ	400A/36V/60%	17 @ 60%	10-400A 20.4-36V	480 x 350 x 730	32
Invertec® CC 400-S Plus	K60060-3		310A/26V/100%				36

A CLOSER LOOK



Front Panel

1. Power Switch
2. Thermal Shutdown Light
3. Alarm Light
4. Digital Meter
5. A/V Switch
6. Output Local/Remote Control Switch
(only for Invertec® CC400-S -Plus)
7. TIG/Touch Start TIG (only for Invertec® CC400-S -Plus)
8. Output Current Control
9. Hot Start Control
10. Arc Force Control



Lower Case Connection

1. Positive Output Terminal
2. Remote Output Control Receptacles – 6 pin
(only for Invertec® CC400-S -Plus)
3. Negative Output Terminal

“DIP” Switches (Internal)



'DIP' switches located on the internal PCB allow you to program the machine to perform as you want!

1. Output Control

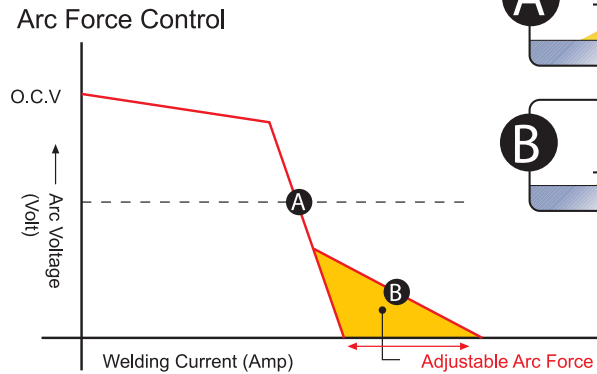
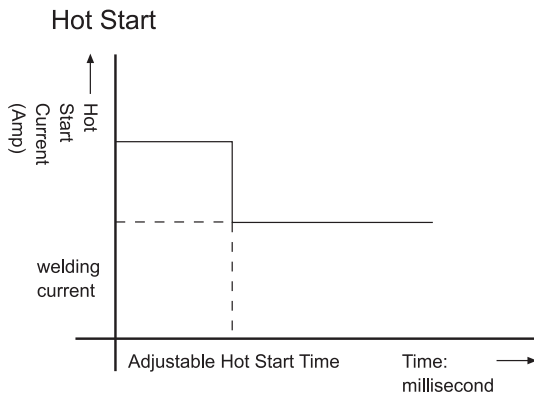
Mode	Local/Remote Switch	DIP Switch(PCB)	OCV Output
SMAW	L/R	Off (down)	OCV available
SMAW	R	On (up)	Controlled by the switches on the remote box
SMAW	L/R	Off (down)	OCV available
SMAW	R	On (up)	Controlled by the switches on the remote box

2. Performance Test

DIP Switch 2 is suitable for the final test only before sale and placed on the down position to the end user.

DESIGN FEATURES

- Long life electrolytic capacitors are specially chosen for the machine design.
- Amorphous core application reduces the whole machine's weight greatly.
- Design with separating low voltage control PCB from high voltage precharge PCB, which will reduce service cost.
- PCB potting process and vertical mounting reduces the failure rate as machine works.
- High reliable fan motor makes machine get enough air for cooling.
- Connect by MOLEX, which ensures the reliability of electrical connection.
- All of output line with short circuit protection, it can reduce the failure caused by short circuit.



MODE SPECIFICATIONS

Mode	Standard Electrode	Cellulose Electrode	Touch Start TIG	Remote Output	Hot Start	Arc Force	Power of Generator
Invertec® CC 400-S	•				•	•	
Invertec® CC 400-S Plus	•	•	•	•	•	•	•

RUGGED RELIABILITY

Rugged reliability like all Lincoln welding equipment, during development the Invertec® CC 400-S and Invertec® CC 400-S Plus were tested under severe conditions to ensure proper operation in the harshest environments:

- Extreme Temperature Ranges
- Extreme Humidity
- Rain
- Dirt and Dust
- IP23 Rated Performance



RECOMMENDED OPTIONS



TIG Torch

TIG Torch

With the gas valve and twist-mate connector, 4 meters.
200A air cooled, 60% duty cycle

Order number:

K60078-1



Work Cable with Clamp

Work Cable with Clamp

Connect the work cable with the twist-mate connector

Order number:

K60076-50-3M



Electrode Holder Cable

Electrode Holder Cable

With the electrode holder and twist-mate connection

Order number:

K60077-50-3M, 3m, 50mm²

K60077-50-15M, 15m, 50mm²

K60077-50-30M, 30m, 50mm²



Remote Current Control

Current Remote Control

Adjust the current of remote output

Order number:

K69023-8M, 8m

K69023-15M, 15m

K69023-30M, 30m

Customer Assistance Policy

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customers particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has not been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

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Subject to change - This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com.cn for any updated information.

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THE WELDING EXPERTS®