

NEW!**CV WELDERS**

POWERPLUS™ 650HD

Heavy Duty Welding Solution

POWERPLUS™ 650HD is a constant voltage power source targeted for heavy duty welding applications. Equipped with Lincoln's patented MAXTRAC® heavy duty wire drive system to provide reliable feeding and durability. The machine produces excellent output characteristics, and delivers a stable arc across the entire output range.

POWERPLUS™ 650HD is Lincoln's solution to the demanding needs of heavy industry welding. It is designed for GMAW, FCAW & Carbon Arc Gouging processes. Excellent CV welding performance is guaranteed when using either pure CO₂ or Argon mixed gas. Reliable performance is optimized for welding carbon steel, stainless steel and aluminum. It is also suitable for carbon arc gouging using up to 10mm diameter carbon electrodes.



Processes

MIG, Flux-Cored, CAG (Carbon Arc Gouging)

Description

Output   Input  

Wire Feeder Options

LF-72, LF-74, LN™-10, LN™-25 PRO, DH-10

General Options

Wire Feeder, Interconnection cable Assembly (Includes: Control Cable, Welding Cable, Gas Hose), Work Cable with Clamp, Welding Torch, Gas Regulator / Flowmeter.

Advantage Lincoln

- Welding Flexibility - POWERPLUS™ 650HD can be used to weld thick steel, stainless and aluminum - Heavy duty applications.
- Carbon arc gouging capability.
- Single Range Output - Smooth and precise adjustment settings to ensure perfect weld setting.
- MAXTRAC® style wire feeders capability for superior wire feeding in demanding applications.
- Output Control - The voltage output is controlled at power source when set on "local" and at the wire feeder, when set on "remote".
- Digital Voltage and Amperage Meters - Easy to read and accurate. The digital meters "double up" as a fault finding aid with "Error Codes" displayed for easy trouble shooting.
- Potted PC Board - Ensures long life in harsh conditions.
- Built to IP23 Classification - POWERPLUS™ 650HD is designed for long life in harsh and demanding environmental conditions.
- "Power Saving" & "F. A. N." Mode - When activated, input power is minimized, and the operating noise and dust intake reduced.
- High Quality Double Dipped Impregnated Main Transformer - Provides long life in harsh welding conditions.
- Adjustable "Crater" Control - Gives the operator control over welding conditions at the start and end of welds for improved weld quality.
- 2-Step/4-Step Trigger Control - Gives the operator control over advanced welding features for easier and more precise welding.

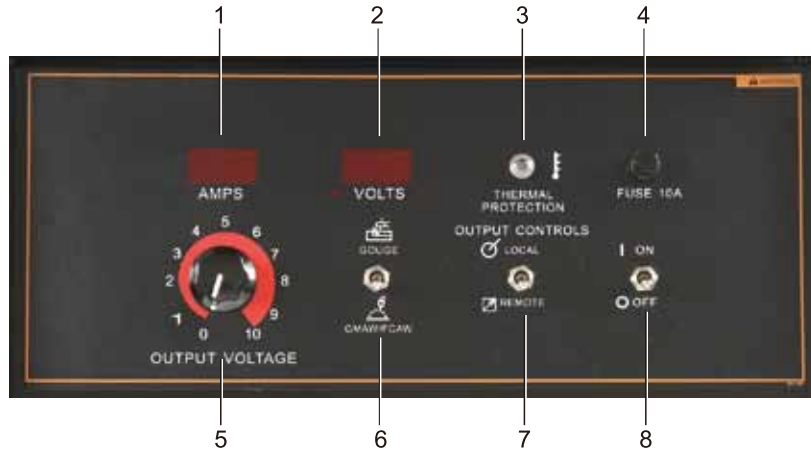
LINCOLN
ELECTRIC
THE WELDING EXPERTS®

TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage /Duty Cycle	Input Power @ Rated Output* (KVA/KW)	Output Range	Dimensions H×W×D (mm)	Net Weight (kg)
POWERPLUS™ 650HD	K60038-1	380-415V (±10%)/ 3Ph /50HZ /60HZ	650A/44V @ 60% 500A/39V @ 100%	40/35 @ 60%	60-650A	785 x 520 x 670	205

Designed to IEC60974-1

A CLOSER LOOK



Front Panel

1. Digital Ammeter
 2. Digital Voltmeter
 3. Thermal Shutdown Light
 4. Fuse - 10A
 5. Single Range Output Voltage Control
 6. Carbon Arc Gouging/GMAW/FCAW Mode Selection
 7. Output Local/Remote Control Switch
 8. On/Off Switch
- (Auto fault detection appears on 1. Ammeter & 2. Voltmeter)



Back Panel

1. Lifting Lugs
2. Input Power Connection Box
3. Input Power Cable Clamp
4. 220V/2A Auxiliary Power Receptacle
5. Fuse and Fuse Holder

LF-72 and LF-74 Wire Feeders

2-Roll or 4-Roll Heavy Duty Industrial Feeders

Designed for MIG and cored wire welding in job shop and manufacturing environments, the rugged LF-72 and LF-74 wire feeders are built to deliver reliable performance day after day. The heart of these feeders is the highly engineered 2-roll or 4-roll MAXTRAC™ wire drive system, delivering strong and consistent feeding force for tough applications.

LF-74 Bench Model, Heavy Duty, Extra Torque, K2426-3
LF-72 Bench Model, Standard Duty, K2327-2
(Shown with optional wire)



Advantage Lincoln

- Patented MAXTRAC™ heavy-duty cast aluminum wire drive system provides reliable feeding and durability.
- Brass-to-brass gun connections for better electrical conductivity that results in better arc performance.
- Totally tool-less drive rolls and wire guide installation. Two or four gear-driven wire drive rolls slide on and off easily!
- Calibrated wire feed speed dial for precise and accurate settings.
- Gas purge & 2 step and 4 step trigger control as standard package, while the adjustable “burnback” & “postflow” as optional.
- Totally enclosed wire drive.

LN™-10 & DH-10 Wire Feeders

Single & Double Header Wire Feeders

The LN™-10 and DH-10 bench models are ideal for mounting on top of the power source, onto a portable undercarriage, or hung from a jib crane or boom.



Advantage Lincoln

- Rugged 4 driven roll design for positive wire feeding.
- Presettable voltage and wire feed speed using large control knobs allows easy adjustment with a gloved hand.
- Standard dual procedure for both wire drives. Selectable at the control box unit, with the optional dual procedure switch, dual schedule Magnum gun, or with the optional dual procedure remote control.
- Selectable trigger control for standard 2 step, interlocking 4 step, spot weld and cold feed trigger control (ideal for booms where cold wire feeding can be done at the gun trigger.)
- Five welding process control and timer functions:
 - preflow gas timer
 - run-in wfs/voltage control
 - spot weld timer
 - burnback control
 - postflow gas timer

POWERPLUS™ 650HD WELDING TORCH

POWERPLUS™ 650HD Welding Torch	Product No.	Specification			
	K60008-3L	500A @ 60%,CO ₂	420A @ 60%,Ar+CO ₂	3m	Lincoln Connector
	K60008-4L	500A @ 60%,CO ₂	420A @ 60%,Ar+CO ₂	4m	Lincoln Connector
	K60008-5L	500A @ 60%,CO ₂	420A @ 60%,Ar+CO ₂	5m	Lincoln Connector

RECOMMENDED OPTIONS



Work Cable With Clamp

Work Cable With Clamp

Used to connect work piece.

Order: K60027-2-4M

Work cable with clamp, 70mm², 4M



Torch



Euro Torch Connection Adapter

Euro Torch Connection Adapter

Used as an adapter for Euro connector welding torch.

Order: KP61108-2



Torch Parts



Wheel Kit

Wheel Kit

Allows convenient movement of the machine.

Order: KP61163

For torch parts selection, please see publication CE101.EN.

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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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.

LINCOLN[®]
ELECTRIC

**THE SHANGHAI
LINCOLN ELECTRIC
CO.,LTD**

No.195,Lane 5008,Hu Tai Rd,
Shanghai China 201907
(Gao Jing Industry Park)
TEL:86-21-6673 4530
FAX:86-21-6602 6621
www.lincolnelectric.com.cn

CE004.EN POWERPLUS™ 650HD 06/10

Authorized Distributor: