

IDEALARC DC-600



The DC-600 is a multi-process DC arc welding power source that produces outstanding arc characteristics on both constant voltage and constant current processes. This provides great welding versatility in a single power source.

The DC-600 is designed for GMAW (MIG), FCAW and submerged arc welding processes within the capacity of the machine, plus the capability of stick and air carbon arc gouging up to 10mm diameter. It produces outstanding performance with a single range full output control potentiometer.

The precise output of the DC-600 enhances productivity and quality control when used with Lincoln LN-7, LN-742, LN-8, LN-9, LN-10, DH-10 and LN-25 semi-automatic wire feeders, the NA-3, NA-5 and NA-5R automatic wire feeders and the LT-7 tractor.

Field and factory installed Multi-Process Switch option for versatility

in your welding applications is available. This 3-position switch allows quick and easy change from electrode positive or negative semi-automatic/automatic wire feed welding to stick or air carbon arc gouging.

Built to last - all weather protection features a totally enclosed control circuit compartment, designed to IP-23 requirements. Submerged dipping of all transformer base assemblies in a special epoxy based sealing/insulating enamel provides added protection against moisture or corrosive atmosphere such as salt air.

ADVANTAGE LINCOLN

- Solid state circuitry provides extra long life for repetitive welding applications.
- Outstanding welding performance with a single range full output voltage control for easy operation and precise output control.
- Factory fitted analog, volt/ amp meters
- Mode switch used to select the designed output characteristics for the process being used.
- Output terminals on/remote switch for easier selection of welding processes.
- Two DC-600's can be paralleled for welding currents up to 1200 amps @ 100% duty cycle.
- Line voltage compensation for maintaining weld consistency, even with line voltage changes of $\pm 10\%$.
- Low profile case allows installation of the DC-600 under a workbench and for stacking up to 3 machines to conserve floor space.
- Fan cooled with electronic and thermostatic protection from current overload and excessive temperatures.
- Windings and rectifiers coated with a special enamel providing superior harsh environment protection.
- 14pin Amphenol for remote wire feeder connections.
- Fuse protected 42V and 115V wire feeder auxiliary power.
- 3 year warranty on parts and labor.
- Manufactured under a quality system certified to ISO 9001 requirements.

Idealarc DC-600

Recommended Options



Multi-Process Switch

3-position switch allows quick and easy change from electrode positive or negative semi-automatic/automatic welding to stick or air carbon arc gouging.

Order K804-1



Remote Output Control

Consists of a control box with choice of cable lengths. Permits remote adjustment of output.

Order

K857-8.5-6 8.5 lead & 6 pin plug

K857-20-6 20m lead & 6 pin plug

K857-20-14 20m lead & 14 pin plug

K857-30-14 30m lead & 14 pin plug



LN-25 Wire Feeder

Portable CC/CV unit for flux-cored and MIG welding. Includes Gas Solenoid and internal Contactor.

Order K449



Shown with optional wire reel stand

LN-7 Wire Feeder

A heavy duty semi-automatic wire feeder designed for CV MIG and FCAW welding

Order K440



Shown with optional wire reel stand

LN-9 Wire Feeder

A semi-automatic wire feeder designed for heavy duty applications for FCAW, GMAW and submerged arc welding

Order K357-1



Magnum® K126 Innershield Gun (for LN-25)

For self-shielded wire with 4.5m cable. For 1.6-2.4mm wire.

Order K126

Paralleling Kit

Permits paralleling of two DC-600s for welding currents of up to 1200 amps, 100% duty cycle. The "master" DC-600 controls both paralleled machines.

Order KA1010

Undercarriage

Platform undercarriage with four wheels.

Order KA1236

w/o cyl. rack

Order KA1237

w/ cyl. rack

VRD

Voltage reduction device, operates in the CC mode reducing the OCV, increasing the operator safety when welding is performed in environments with increased hazards of electric shock.

TECHNICAL SPECIFICATIONS

Part Number	Input Voltage	Rated Output Current/Voltage/Duty Cycle	Rated Input AS1966.1	Output Range	Dimensions H x W x D (mm)	Weight (kg)
KA1342-1	415/3/50/60	750A/44V/50%	62A	70-850A	781 x 566 x 965	237
KA1342-2	380/500/3/50/60	680A/44V/60%	68/51A			
KA1342-3	220/380/440/3/50/60	600A/44V/100%	117/68/58A			
KA1342-4	200/3/50/60		129A			

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 responsibility, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's 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 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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Brisbane, Sydney, Melbourne and Perth.

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