

# Idealarc® DC-1500

The DC-1500 is a multiprocess DC arc welding power source for automatic welding applications. It produces outstanding arc characteristics on both constant voltage and constant current processes. This provides great welding versatility in a single power source.

The DC-1500 is designed for submerged arc welding, and FCAW processes within the capacity of the machine. It produces outstanding welding performance with a single range full output control potentiometer.

The precise output of the DC-1500 enhances productivity and quality control when used with Lincoln NA-3 and NA-5 automatic wire feeders, and the LT-7 tractor.



Output



Input



### Processes

Flux-Cored, Submerged Arc

### Advantage Lincoln

- Solid state circuitry provides extra long life for repetitive welding applications.
- Full range output voltage control for easy operation and precise output control.
- Mode switch used to select the desired output characteristics for the process being used.
- Line voltage compensation for maintaining weld consistency, even with line voltage changes of  $\pm 10\%$ .
- Fan cooled with electronic and thermostatic protection from current overload and excessive temperatures.
- Function lights built into the printed circuit boards speed diagnostics.
- Windings and rectifiers protected against moisture and corrosive environments.
- Eight amp fuse protected 115V wire feeder auxiliary power with 1000 volt-amp capacity.
- Three-year warranty on parts and labor.
- Seven-year warranty on the power rectifier.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.

### TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimensions H x W x D inches (mm)	Net Weight lbs. (kg)
DC-1500	K1275	460/3/60	1500A / 44V / 100%	184A	20-60V	57.2 x 22.3 x 38.0 (1453 x 566 x 965)	1420 (644)
	K1383-4	380/440/3/50/60	1500A / 60V / 100%	216A/187A	200-1500A		

## RECOMMENDED OPTIONS



### Remote Output Control

Consists of a control box with choice of two cable lengths. Permits remote adjustment of output. 6-pin connection.  
**Order K857** for 25 ft. (7.6m)  
**Order K857-1** for 100 ft. (30m)



### Control Cable Adapter Kit-6 Pin

Adapts 6-pin MS-type plug connection to terminal strip on power source.  
**Order K843**



### Paralleling Kit

Permits paralleling of two power sources.  
**Order K1900-1**

## IDEALARC® DC-1000 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
DC-1500 460/3/60	K1275		
DC-1500 380/440/3/50/60	K1383-4		
<b>RECOMMENDED GENERAL OPTIONS</b>			
Remote Output Control, 100 ft. (requires K843)	K857-1		
Control Cable Adapter Kit – 6 pin to terminal strip	K843		
Paralleling Kit	K1900-1		
<b>RECOMMENDED WIRE FEEDER OPTIONS</b>			
NA-3	See Publication E9.10		
NA-5	See Publication E9.30		
LT-7	See Publication E9.70		
	<b>TOTAL:</b>		

### 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 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.

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.

Subject to Change — This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.