

# 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

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