

# Idealarc® DC-1000, Idealarc® DC-1500

## Industrial DC Multi-process welders

If an application requires pure welding power combined with multi-process power, then the Idealarc® DC-1000 with 1300 amps of smooth DC output is your best investment. Designed for Semi-automatic and automatic welding, the precise control of the Idealarc® DC-1000 provides superior MIG, flux-cored, submerged-arc welding and excellent air carbon arc gouging with up to 16.0 mm diameter carbons.

The Idealarc® DC-1500 is a multi-process DC arc welding power source for automatic welding applications. It produces outstanding arc characteristics on both constant voltage and constant current processes for great welding versatility from a single power source. A single range full output control potentiometer provides outstanding welding performance.


### Features (Idealarc® DC1000)

- 500 amp output connections provide enhanced arc characteristics for low amperage flux-cored (FCAW) and MIG welding procedures.
- Single range control for precise output control and easy operation.
- Terminal strip and output studs for remote connections and cable.
- Low profile case allows installation of a work-bench and stacking up to 2 machines to conserve floor space.
- Removable side panels for easy access to internal parts.
- Line voltage compensation maintains weld consistency, even with line voltage changes of ±10%.
- Internal components, including windings, rectifiers and circuit boards, are coated to protect against the effects of moisture and corrosion.
- Seven-year warranty on power rectifier.

### Features (Idealarc® DC1500)

- 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 ±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.
- Removable side panels for easy access to internal parts.
- Recessed front panel protects operating controls.
- Terminal strip and output studs for remote connections and cable.
- Seven-year warranty on power rectifier.





**Processes**

- Submerged arc
- Flux-Cored
- Gouging

**Recommended Wire Feeders**

- NA-3
- NA-5
- LT-7

**Key Options**

- **K10376** Adapter M14/Dinse[F]
- **FL060180600-L** FLAIR 600 Gouging Torch
- **K2187-2** Water cooler COOL ARC® 40 [DC-1000]
- **K10420-1** Coolant Acorox (2x5l) [DC-1000]
- **K1897-1** Paralleling Kit [DC-1000]
- **K1900-1** Paralleling Kit [DC-1500]
- **K1520-2** 42 Volt Transformer Kit [DC-1000]
- **K857** Remote Output Control, 7.6 m
- **K857-1** Remote Output Control, 30 m
- **K843** Amptrol™ Adapter Kit
- **K1798** Adapter Cable - Male 14-pin [DC-1000]
- **K1770-1** Factory Undercarriage [DC-1000]
- **K1737-1** All-Terrain Undercarriage [DC-1000]
- **K3019-1** Arc Tracker™ [DC-1000]

### Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Input Current @ Rated Output	Weight (kg)	Dimensions HxWxD (mm)
Idealarc® DC-1000	K1387-3	200/380/440V/3Ph	150-1300	1250A/44V/50% 1140A/45V/60% 1000A/44V/100%	193/112/97	372	781 x 567 x 991
Idealarc® DC-1500	K1383-4	380/440/3Ph	200-1500	1500A/60V/100%	184	644	1453 x 566 x 965

