

## Bdiscom Srl Milan ( I )

Your experienced partner  
for Plasma power supplies

# BDS-ARC Generator



The most reliable high performance  
generator for high current CAE Processes  
with high efficiency (> 90 %)

# BDS-ARC 150 /250

## ARC DEPOSITION

### 150 or 250A DC source

#### Introduction:

The **BDS-ARC150/250** is a DC power supply specifically designed for CAE sources. The system comes in a compact and light 19 inch case.

The **BDS-ARC150/250** design has taken into account the typical system integrator needs.

#### Some highlights:

- The unit is only 178mm high. Up to 6 units can be installed in a single cabinet saving space and installation costs.
- In a typical application, with a rectangular CAE source running at 220A / 20V the total power dissipated is only 400W .
- Flexible interfacing. Profibus (Option), RS232 and analog user port are available.
- The cooling system is using high efficiency oversized heat sinks and variable speed control for fans. The unit can run at full power 40°C temperature without interruptions.
- Contactless ignition module integrated in the unit is available on request.

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Power supply             | 400V 3 phase + PE /13Amps max                       |
| Connector style          | ILME 40A                                            |
| Dimensions               | Rack mount 4UI (480*490*178 mm)                     |
| Weight                   | 25kg                                                |
| Output current           | 20 to 150 or 250A                                   |
| Output voltage full load | 25V DC @ 150 or 250A                                |
| Max power                | 3.750 / 6.250 Watt                                  |
| Output connectors        | 19mm brass panel mount                              |
| Cooling                  | Forced air with variable speed fan control          |
| Digital interface        | RS232 and Profibus, other on request                |
| Analog interface         | 0 to 10V analog signals, 24V digital, interlock     |
| Ambient                  | 5 to 40°C , pollution 2                             |
| Efficiency               | Typicall 90%                                        |
| Ignition module          | 650V – 1Hz pulse rate ( OPTION )                    |
| Designation              | CE Declaration of conformity available upon request |

#### EMC classification according to EN55011:

This is a ISM (industrial scientific medical) equipment and is compliant to EN55011 group 2, class A.

#### CE MARK

#### BDISCOM SRL

Tel: (+39) 0382 926987 – Fax: (+39) 0382 923070  
www.bdiscom.com info@bdiscom.it

#### Distributed by:



Tel. 203.73322110 email ssimons@manitousys.com