

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
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	High Voltage - 1Hz pulse rate (option)
Note	Optional: Current Modulation, pulsing operating time 5-500ms
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

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