

# DSC500 Powercenter

## Multiple lamp ballast rack for uv lamps and sensors



The **DSC500** rack system is specially designed for driving and controlling **low pressure and amalgam uv lamps** with lamp power in the range from **100W to 600W**.

Its compact design and modular concept with up to 9 plugged lamp driver cards makes it easy to handle up to 18 lamps per rack and meet the customers requirements.

### Special advantages

DSC500 can operate as subdevice - linked with a PLC, PC or any other superior control via Ethernet and ModBus TCP/IP protocol.

Also **stand-alone** mode without any external control is possible. DSC500 maintains lamp and ballast data like preheat current, lamp current etc. Lamps can be switches on/off and dimmed separately. Lamps report their status, power and arc current by Ethernet (Modbus TCP).

### Available ballast cards

| Ballast card | No of lamp channels | Max. Power per channel | Max. no of lamps per rack | UV lamps  |
|--------------|---------------------|------------------------|---------------------------|-----------|
| DSC-2x100W   | 2                   | 100W                   | 18                        | Max 1A    |
| DSC-2x500W   | 2                   | 200-600W               | 18                        | 1,8A – 5A |

### Device types DSC500 Powercenter Standard

| Device Article | Ballast card | No of cards | Max. Power per channel | Max. no of lamps per rack |
|----------------|--------------|-------------|------------------------|---------------------------|
| DSC500-18-100  | DSC-2x100W   | 9           | 100W                   | 18                        |
| DSC500-18      | DSC-2x500W   | 9           | 200-600W               | 18                        |
| DSC500-12      | DSC-2x500W   | 6           | 200-600W               | 12                        |

### Main technical data

| Item                                    | Data                                         |
|-----------------------------------------|----------------------------------------------|
| Mains voltage                           | 3x400VAC, 3 phase                            |
| Max Power consumption                   | 12KW                                         |
| Efficiency                              | >= 95%                                       |
| Cos Phi                                 | 0,96                                         |
| Ambient temperature, storage / humidity | -5 to +70° C / max. 80%, not condensing      |
| Ambient temperature, operating          | 5 to 45° C, not condensing                   |
| Dimensions (WxLxH)                      | Approx. 632 x 253 x 204 mm (DSC-500-18)      |
| Protection class                        | IP20                                         |
| Weight                                  | ~ 27 kg (DSC-500-18)                         |
| Cooling of the unit                     | 2-4 x fans                                   |
| EMC                                     | EN 61000-6-4 Industry, EN 61000-6-2 Industry |