**Features**

- Drives high power laser diodes
- Ideal current source characteristic
- Outstanding static and dynamic performance
- Extremely low ripple current
- High accuracy
- Low temperature drift
- Fully programmable and configurable
- Integrated measurement data acquisition system
- Industrial Interface
- RS 232-Interface
- Single-phase AC wide input range with active power factor correction
- Very low EMI, no external mains filter required

**DPS 3000-020**
- Diode current: 0 ... 20 A
- Diode voltage: 0 ... 150 V
- Ordering Code: 10100279

**DPS 3000-050**
- Diode current: 0 ... 50 A
- Diode voltage: 0 ... 60 V
- Ordering Code: 10100271

**DPS 3000-070**
- Diode current: 0 ... 70 A
- Diode voltage: 0 ... 43 V
- Ordering Code: 10100272

**DPS 3000-100**
- Diode current: 0 ... 100 A
- Diode voltage: 0 ... 30 V
- Ordering Code: 10100274

**General specifications**

- Ripple current: 0.03 %pp
- Current accuracy: ± 0.1 %
- Current drift: ± 50 ppm / °C
- Supply voltage: 87 ... 276 V AC
- Ambient temperature: 0 ... +45 °C
- Dimensions: 312 x 247 x 126 mm
- Weight: 17 kg

**Description**

The DPS 3000 drivers are high-precision CW laser diode drivers utilizing MPCs special technology. This technology has a lot of advantages and is particularly suited for driving laser diodes. It offers high accuracy and current stability, an excellent dynamic performance, a high output impedance and low electromagnetic interference. No current overshoot or ringing arise when altering output current or load impedance abruptly. Two interfaces are already integrated in the basic model, a Control Port and a RS 232 Port. A Parallel Port and a CAN Port are optionally available. Both are designed as a plug-in card and can be installed subsequently. The DPS 3000 drivers can be controlled and configured directly by means of the control- and configuration software included in delivery.

For detailed information see operating manual or visit our website.