**Features**
Drives high power laser diodes  
Short rise and fall time  
Excellent dynamic performance  
No overshoot, no ringing  
Available with integrated pulse unit or external pulse unit  
Available with integrated pulse control generator  
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

**DPSP 2000-050**
- Diode current: 0 ... 50 A  
- Diode voltage: 0 ... 40 V

**DPSP 2000-070**
- Diode current: 0 ... 70 A  
- Diode voltage: 0 ... 28.6 V

**DPSP 2000-100**
- Diode current: 0 ... 100 A  
- Diode voltage: 0 ... 20 V

**General specifications**
- Pulse length: 0 µs ... CW  
- Pulse frequency: 20 KHz / 50 KHz max  
- Rise time: 1 µs  
- Fall time: 1 µs  
- 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 DPSP 2000 drivers are fully programmable high power pulsed drivers for laser diodes and laser diode stacks.  
12 different models are available, models with integrated pulse unit, models with external pulse unit and models with an integrated crystal accurate pulse control generator which is programmable in the range of 1 µs ... 16.777 s in steps of 1 µs.  
All devices offer high accuracy, excellent pulse characteristics and stability, low drift and an ideal current source characteristic with high output impedance.  
Two interfaces are integrated, 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 DPSP 2000 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.