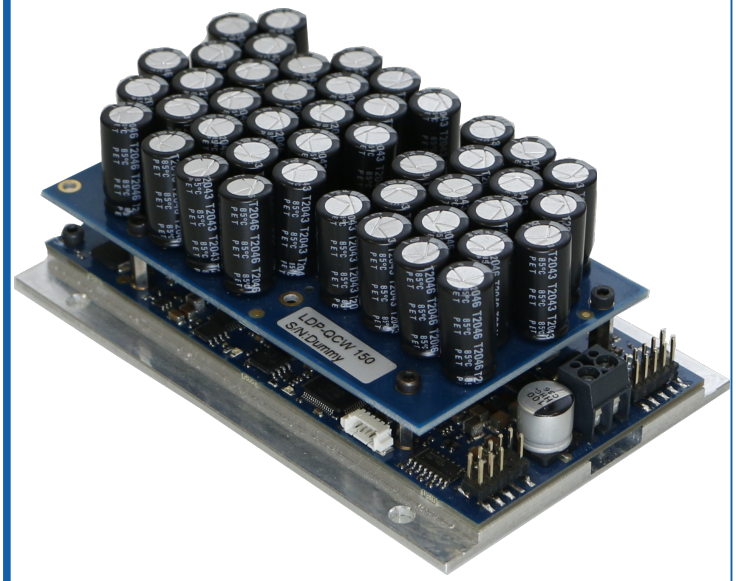
LDP-QCW 150

QCW Driver for High Power Laser Diodes

PicoLAS
FOCUSSING POWER TO THE POINT

REV. 2601



» Output current: 2 .. 150 A
» Compliance Voltage: 0 .. 5 V
» High efficiency
» Compact design
» Baseplate cooled

Technica data*

Output current	2 .. 150 A
Max. compliance voltage	0 .. 5 V
min. pulse duration	< 10 µs
Max. Pulse duration	1 ms
Max. repetition rate	> 1 kHz**
Max. duty cycle	10 % **
Max. rise time	TBD
Current overshoot	< 5 %
Pulse triger input	Analog Interface: TTL
Supply voltage	24 ..48 V V DC**
Max. power dissipation	TBD
Dimensions in mm	120 x 76 x 40
Weight	0.34 kg
Operating temperature	0 t + 55°C

** See manual for details

Technical data is subject to change without further notice.

Product description

The LDP-QCW 150 is a compact and efficient current supply to drive qcw laser diodes.
It is designed for very high currents of up to 150 A and provides power of up to 4200 W. With its compact design the LDP-QCW 150 has a very good power-size ratio.
For an easy use of the driver only one supply voltage is needed for the control logic and the power stage. Also the control is very convenient.
In combination with the PLB-21 or via RS-232, the LDP-QCW 150 is capable of generating pulses on its own. No external pulse generator is required and all parameters can be comfortably adjusted.
The LDP-QCW150 is suitable for a wide range of applications. That includes illumination, pumping of solid-state lasers, spot welding and others.

- Stackprotector® cuts the power stage from the supply
- Innovative current control concept actively prevents laser diode from overshoots and overcurrent
- Enable/Disable input
- Driver status output
- Protection of the laser diode against reverse currents
- Baseplate cooling

Accessory

» PLB-21
» LDP- C-BOB

Other products

- LDP-QCW 300
- LDP-QCW II 600-50
- LDP-QCW II 600-120

More information:

www.picolas.de
» SHOP » LDP-QCW

PicoLAS GmbH
Germany
Burgstraße 2
52146 Würselen
Phone: +49 (0)2405 64594 60
Fax: +49 (0)2405 64594 61
web: www.picolas.de
mail: sales@picolas.de