

LDP-QCW-II 600

Medical QCW-Driver for High Power Laser



- Output current: 80 .. 600 A
- Compliance voltage: 2 .. 50 V, up to 120 V available
- Internal isolation
- Pre-Pulse option included
- Stackprotector® and other protective features
- Optional External Cap-Bank
- Compact design

Technical Data:*

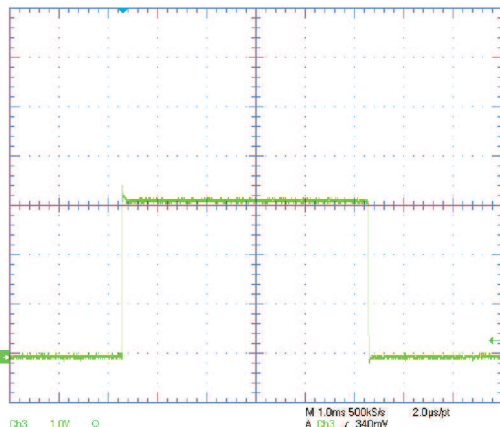


Figure: Current monitor output, scale: 100A/Div

Output current	80 .. 600 A
Max. compliance voltage	0 .. 50 V, up to 120 V opt.
Min. pulse duration	< 100 µs
Max. pulse duration	400 ms**
Max. repetition rate	> 1 kHz**
Max. Duty cycle	20 %**
Max. Risetime	< 50 µs
Current overshoot	< 5%
Pulse trigger input	5 V TTL
Current setting input	100 A/V
Current monitor	200 A/V
Voltage monitor	0.05 V/V
Connectivity	LDP-C BOB PLB-21 USB 2.0
Supply voltage	24 .. 48 V DC **
Max. power dissipation	600 W
Dimensions in mm	290 x 150 x 110
Weight	3.73 kg
Operating temperature	0 to + 55 ° C

* Specifications measured with a fast recovery diode instead of a laser diode. Technical data is preliminary and subject to change without further notice.
** See manual for details

Typical Pulseparameters (single Pulse)**

max current A	pulse length ms	duty cycle %	max voltage V
600	1	1	0 .. 48
220	0,5	4	0 .. 48
110	50	15	0 .. 48
95	100	20	0 .. 48
85	120	20	0 .. 48
72	150	25	0 .. 48
60	200	33	0 .. 48
48	400	55	0 .. 48

Product Description:

The LDP-QCW-II 600 is a compact and efficient current supply to drive qcw-laserdiodes. It is designed for very high currents up to 600 A. With its compact design the LDP-QCW-II 600 has a very good power-size ratio. For an easy use of the pulser 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 USB, the LDP-QCW II 600 is capable of generating pulses on its own. No external pulse generator is required and all parameters can be comfortably adjusted. A further highlight of the LDP-QCW-II 600 is the integrated pre- and main pulse option.

Optional Accessories: LDP-C-BOB
PLB-21

