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(812) 326-07-48

office@fedalel.com

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Laser diode driver (QCW), model SF3xx



Switched mode laser power supply is designed for supplying diode array, which are used for pumping powerful solid or fiber lasers. Power supply is designed to the laboratory, educational, experimental and industrial applications. Additionally the power supply can be equipped with a LD thermal stabilization controller (TEC controller). Also it has current limit, duty cycle limit and safety interlocks. Could be modified by a customer's request for the optimal selection of parameters for a specific load.

Specifications:

	SF306	SF315	SF350
Pulse rate* (F)	1 — 500 Hz, single pulse	1 — 500 Hz, single pulse	1 — 1000 Hz, single pulse
Output voltage* (V)	0-140 V	0-300 V	0-300 V
Output current* (I)	1-150 A	1-300 A	1-350 A
Pulse duration* (τ)	50-1000 μ s	50-1000 μ s	50-1000 μ s
Rise time**	<60 μ s	<60 μ s	<60 μ s
Fall time**	<60 μ s	<60 μ s	<60 μ s
Output current tolerance	0.3 %	0.3 %	0.3 %
Average output power* (P)	0.4 kW	1.5 kW	4.6 kW
Data display	LCD	LCD	LCD
Communication interface***	RS232	RS232	RS232
Trigger in	5 V, 10 μ s	5 V, 10 μ s	5 V, 10 μ s
Trigger out	5 V, 10 μ s	5 V, 10 μ s	5 V, 10 μ s
Trigger out delay	1-1100 μ s	1-1100 μ s	1-1100 μ s
Interlock	switch contact closure	switch contact closure	switch contact closure
Power Input	single phase 220 VAC, 50Hz	single phase 220 VAC, 50Hz	three phase 220/380 VAC, 50Hz
Type of cooling	air cooling	air cooling	air / water cooling
Dimensions	440*88*345 mm; 2U	440*132*440 mm; 3U	440*177*485 mm; 4U
Weight	10 kg	12 kg	25 kg

Check your power supply

Input parameters:

Pulsed mode

01.07.19
[Laser World of Photonics 2019 Munich](#)

04.04.19
[PREVIEW: Laser World of Photonics 2019 Munich](#)

03.04.19
[Laser World of Photonics China 2019](#)

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Pulse rate (F) HzOutput current (I) AOutput voltage (V) VPulse duration (τ) μ s (microsec)**Average power: 0 Watt**

> Contact with us if calculation does not provide any models <
 $F \cdot V \cdot I \cdot \tau \leq P$ (pulse mode); $V \cdot I \leq P$ (CW mode)

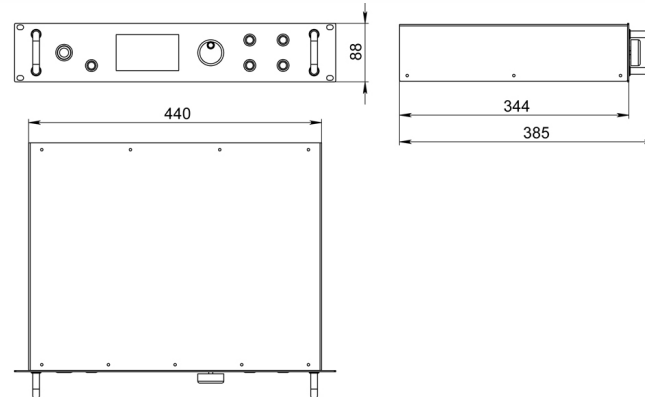
* Values are limited by average power: $F \cdot V \cdot I \cdot \tau \leq P$ (pulse mode); $V \cdot I \leq P$ (CW mode)

**With a length of laser diode power wire is not more than 2m

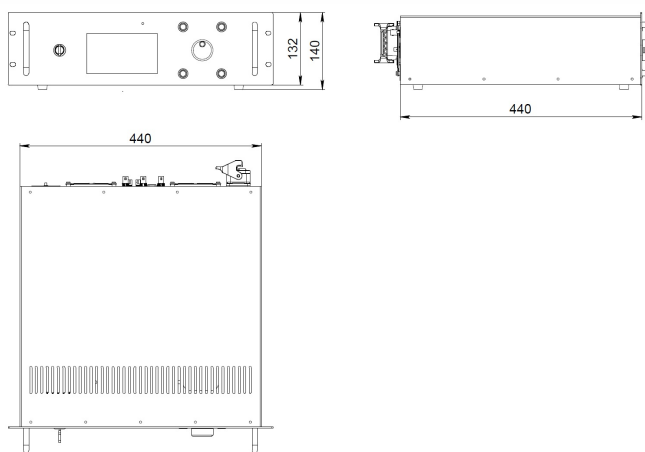
***Installation of FOCL, LAN on request

Dimensions:

Dimensions SF306

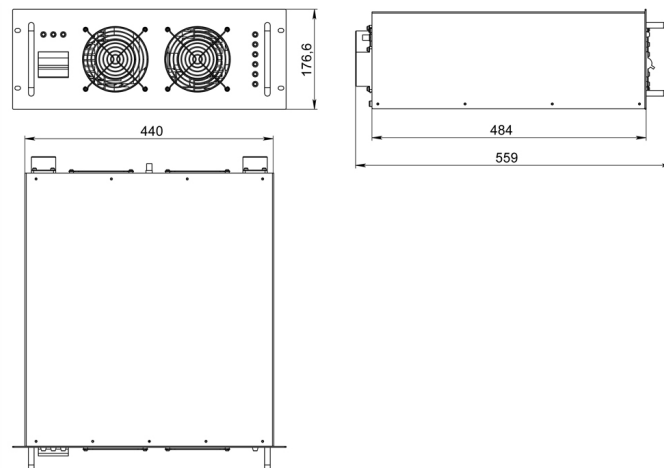


Dimensions SF315



Dimensions SF350

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Prices:

	SF306		SF315		SF350	
	EUR	USD	EUR	USD	EUR	USD
1 pcs	2800	3500	3200	4000	4000	4990
for standing customers	2550	3200	2900	3650	3600	4500
from 50 pcs	2250	2800	2650	3300	3250	4100

[Specification Diode driver / laser power supply \(QCW\) model SF3xx](#)