

OEM switched mode power supply for diode-pumped laser

Information



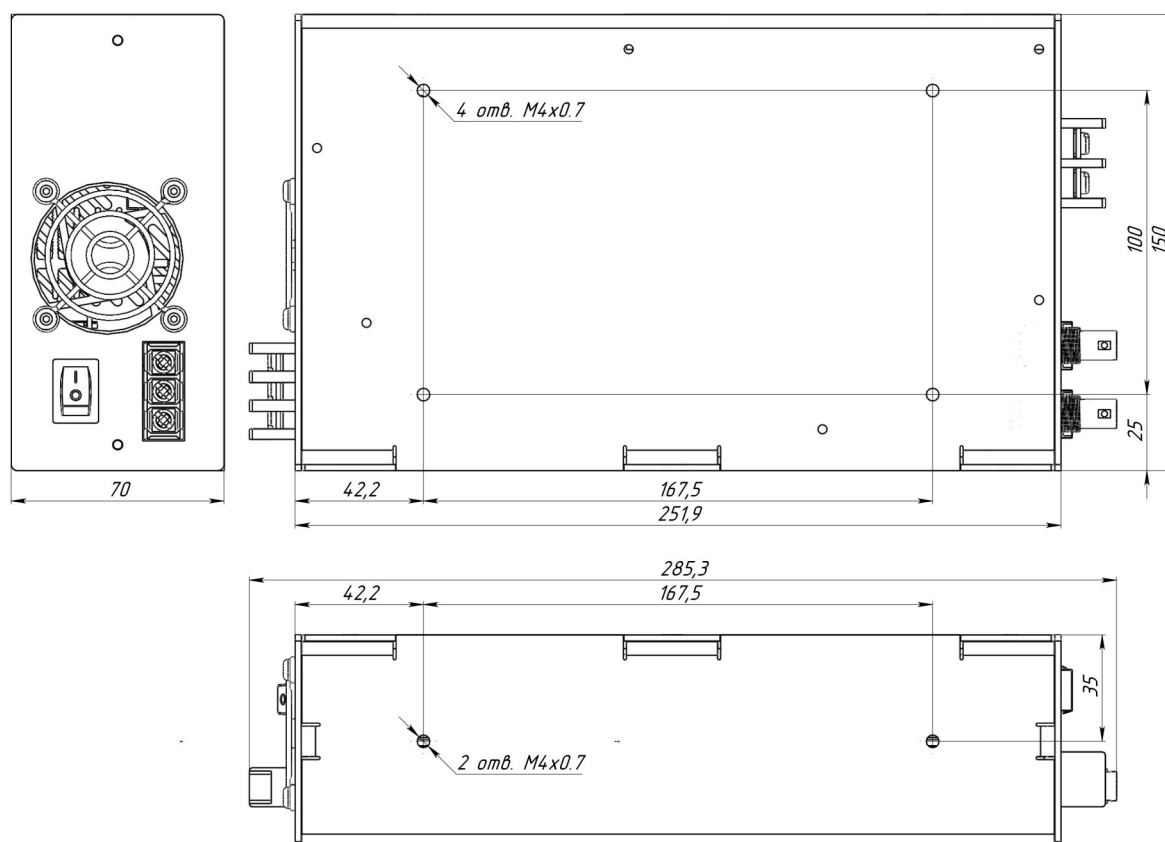
OEM switched mode laser power supply is designed for supplying diode array, which are used for pumping powerful solid or fiber lasers. Power supply is designed for operation in the laboratory, educational, experimental and industrial applications. Additionally the power supply can be equipped with a 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

Specifications

Parameter type	SF305M
Pulse rate* (F)	1 — 100 Hz, single pulse
Accuracy of the pulse rate	0.1 Hz
Output voltage* (V)	0-360 V
Accuracy of the output voltage	0.1 V
Output current* (I)	1-50 A
Accuracy of the output current	0.1 A
Pulse duration* (τ)	50-250 μ s
Accuracy of the pulse duration	1 μ s
Rise time	<50 μ s
Fall time	<25 μ s
Output current tolerance	0,3 %
Average output power* (P)	500 W
Communication interface	RS485
Trigger in	5 V, 10 μ s
Trigger out	5 V, 10 μ s
Output sync pulse dwell time	1-350 μ s
Power Input	single phase 220 VAC, 50Hz
Type of cooling	air cooling
Dimensions	250x175x70mm; 1U
Weight	<1kg

* Values are limited by average power: $F \cdot V \cdot I \cdot \tau \leq P$

Dimensions



Examples of laser diode arrays



FL-AA05-3X10-6000-808
 FL-GS02-25X1-3750-808
 FL-GS04-5X1-750-808
 FL-GS05-5X1-1250-808
 FL-VS120-Nx1-500xN-808(Q)
 FL-HCS02-250-808(Q)



СЛМ-2 / СЛМ-2-1Н / СЛМ-3
 СЛМ-3-3600-1 / СЛМ-П-0.5Н-3
 СЛМ-П-2НШ
 ИЛД-8 / ИЛ-1М
 ЛЛДИИ-70-940-1



ATC-Q120-11 / ATC-Q200-11
 ATC-Q250-11 / ATC-Q5000-10x20
 ATC-Q2500-5x20