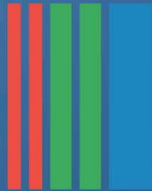




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LASER LAB SOURCE
marketplace for **Scientists & Engineers**

contact@LaserLabSource.com

800.887.5065

OEM switched mode power supply for diode-pumped laser

Information



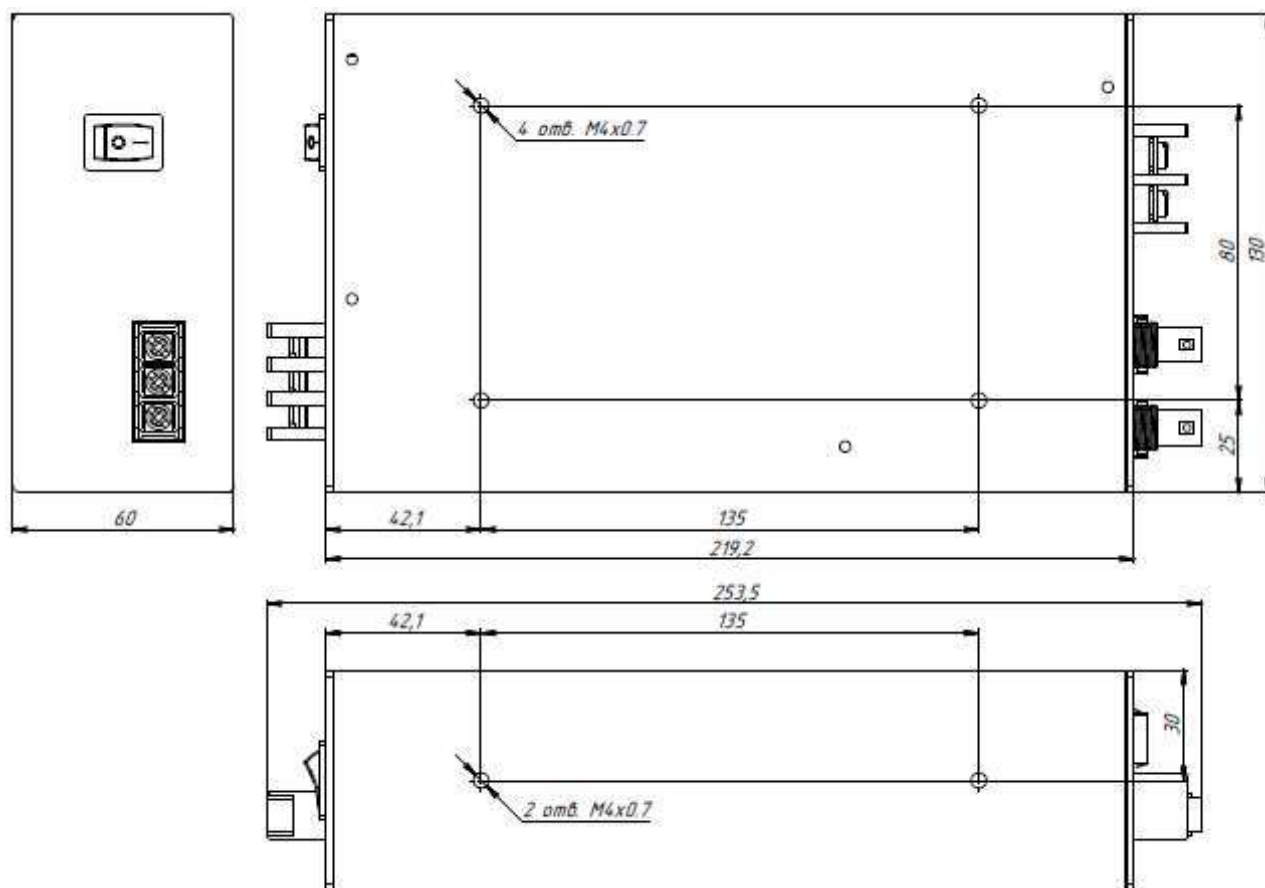
- Designed to power erbium lasers, as well as any other diode-pumped lasers.
- Optimized for laboratory, educational, experimental and industrial applications.
- Has current limit, duty cycle limit and safety interlocks.
- Can be modified according to customer requirements for optimal selection of parameters for a specific load.
- Optionally it can be equipped for work in a temperature mode $-40 / + 50$

Specifications

| Parameter Type | SF303 |
|--------------------------------|----------------------------|
| Pulse rate* (F) | 1 — 10 Hz, single pulse |
| Accuracy of the pulse rate | 0.1 Hz |
| Output voltage* (V) | 0-25 V |
| Accuracy of the output voltage | 0.1 V |
| Output current* (I) | 1-100 A |
| Accuracy of the output current | 0.1 A |
| Pulse duration* (τ) | 50-5000 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) | 150 W |
| Communication interface | RS485 |
| Trigger in | 5 V, 10 μ s |
| Trigger out | 5 V, 10 μ s |
| Output sync pulse dwell time | 1-5100 μ s |
| Power Input | single phase 220 VAC, 50Hz |
| Type of cooling | air cooling |
| Dimensions | 130x60x220 |
| 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



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