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**[contact@LaserLabSoure.com](mailto:contact@LaserLabSoure.com)**

**800.887.5065**

## OEM switched mode power supply for diode-pumped, on-board network 27V

### Information



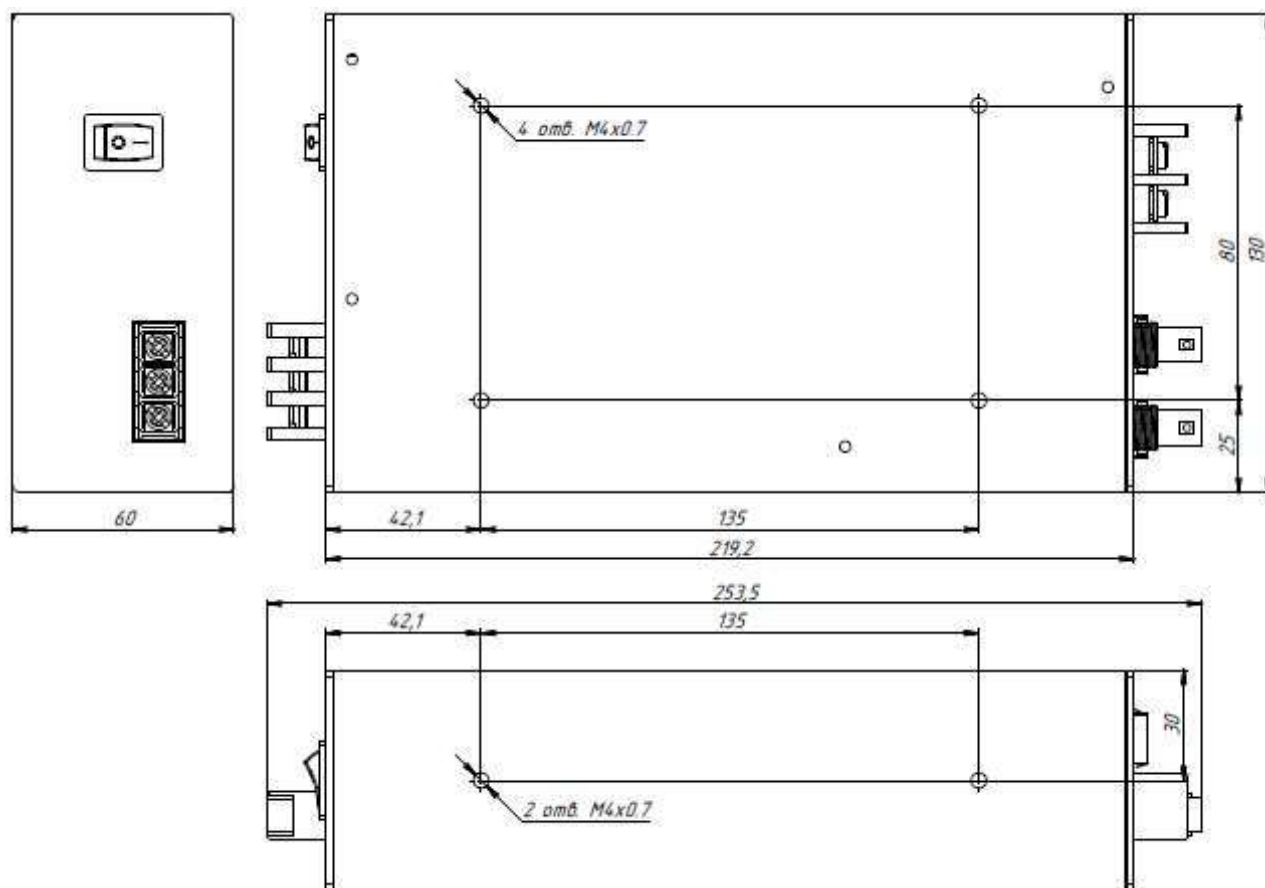
- Designed to power erbium lasers, as well as any other diode-pumped lasers with pumping from the 27V on-board network
- Has current limit, duty cycle limit and safety interlocks.
- Can be modified according to customer requirements for optimal selection of parameters for a specific load.
- Optionally it can be equipped for work in a temperature mode  $-40 / + 50$ .
- Optionally, enclosure with protection class IP 66.

### Specifications

Тип параметра	SF303MB-1	SF303MB-2
Pulse rate* (F)	1 — 20 Hz, single pulse	1 — 30 Hz, single pulse
Accuracy of the pulse rate	0.1 Hz	0.1 Hz
Output voltage* (V)	0-16 V	0-140 V
Accuracy of the output voltage	0.1 V	0.1 V
Output current* (I)	1-200 A	1-70 A
Accuracy of the output current	0.1 A	0.1 A
Pulse duration* ( $\tau$ )	50-500 $\mu$ s	50-300 $\mu$ s
Accuracy of the pulse duration	1 $\mu$ s	1 $\mu$ s
Rise time	<50 $\mu$ s	<50 $\mu$ s
Fall time	<25 $\mu$ s	<25 $\mu$ s
Output current tolerance	0,3 %	0,3 %
Average output power* (P)	300 W	300 W
Communication interface	RS485	RS485
Trigger in	5 B, 10 $\mu$ s	5 B, 10 $\mu$ s
Trigger out	5 B, 10 $\mu$ s	5 B, 10 $\mu$ s
Output sync pulse dwell time	1-5100 $\mu$ s	5-5100 $\mu$ s
Power Input	27VDC	27VDC
Type of cooling	air cooling	air cooling
Dimensions	130x60x220 mm	130x60x220 mm
Weight	<1kg	<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