

CW Diode driver (laser power supply)

Information



CW laser power supply for diode-pumped lasers is designed to supply diode arrays, that are used for the pumping of high-power solid-state or fiber lasers. Power supply is designed for operation in the laboratory, educational, experimental and industrial applications. 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.

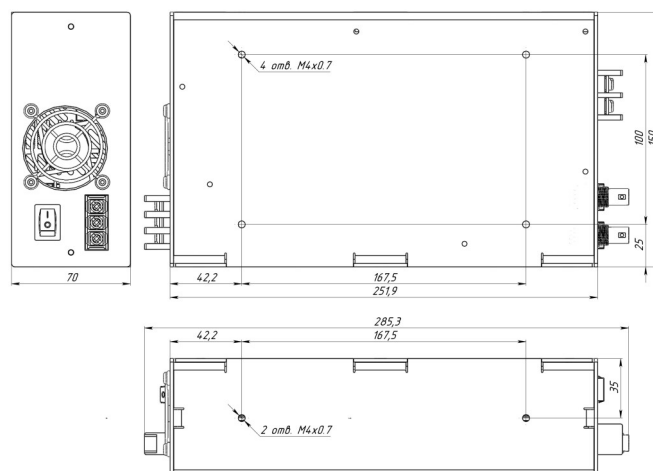
Specifications

SF405M	
	CW mode
Output voltage* (V)	25 V
Voltage changing	1 V
Output current* (I)	40 A
Current changing	1 A
Output current tolerance	0,3 %
Average output power* (P)	500 W
Data display	Software for the PC
Communication interface	RS485
Trigger in	5 B, 10 μ s
Trigger out	5 B, 10 μ s
Interlock	switch contact closure
Cooling	air cooled
Power Input	single phase 220 VAC, 50Hz
Dimensions	250*170*70 mm; 1U
Weight	2 kg

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

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

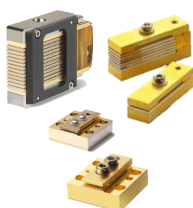
Dimensions



Examples of laser diode arrays

II-VI

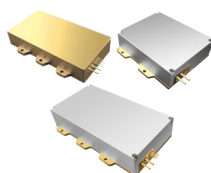
Laser II-VI



BPC/OPC40W,60W& 80W — 92A 1,8V
BPC/OPC80W — 81A 1,65V
HPC50W — 54A 1,65V
Monsoon Compact framed vertical stack module
Monsoon Frameless Vertical Stack Module
Compact Bar on Microchannel cooler and etc.

BWT

BEIJING



808nm150W - 11A 40V / 915nm150W — 13.5A 24V
915nm158W - 11A 36V / 915nm200W — 13.5A 35V
940nm150W - 14A 24V / 940nm200W — 14A 35V
976nm150W - 14A 23,8V / 976nm200W — 14A 35V
976nm100W - 11,5A 24V / 976nm140W — 14A 23,8V
976nm180W - 14A 35V
915/940/976nm на 600W / 1000W / 2000W / 3000W and etc.

FOCUSLIGHT

Never stop exploring



Vshiny FL-HVS61-6X1-360-760 — 80A 15V
Vshiny FL-HVS61-6X1-600-1060 — 115A 2V
Vsilik FL-1200-1000-808 — 110A 20V and etc.

ИНЖЕКТ



Emitter of injection lasers IL-1M2
KMLD-130 — 65A 6V
32DL-504 / LLD-10
SLM-7 / SLM-P-8N
SLMP-6HП / LLD-500-1 and etc.