



MBL-FN series



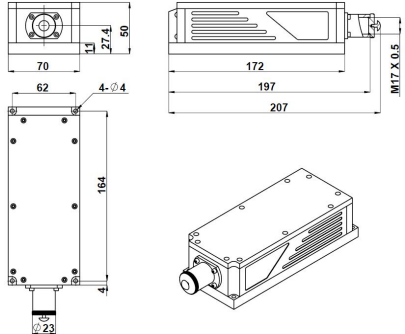
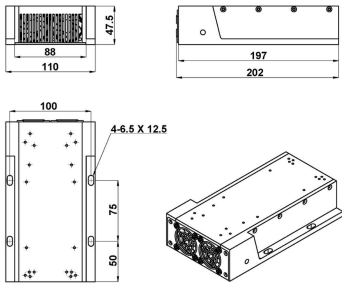
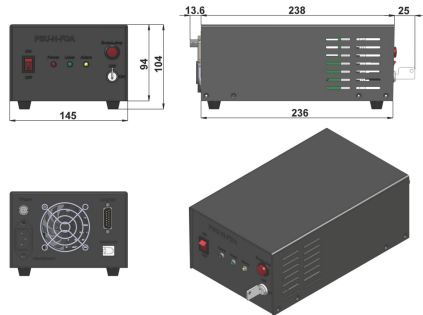
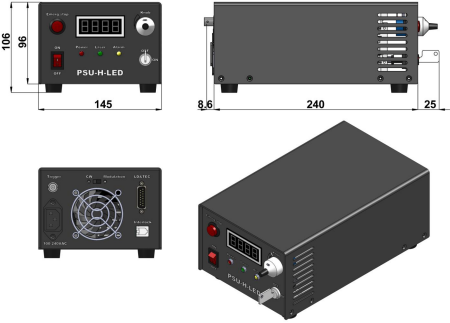
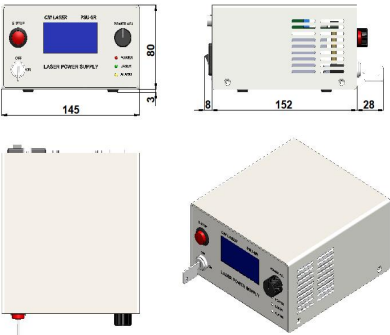
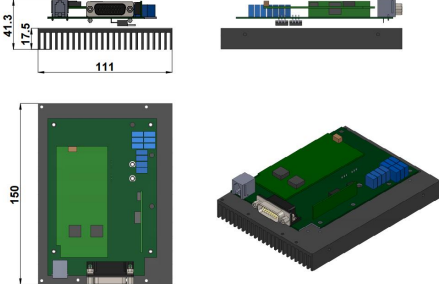
LD PUMPED ALL-SOLID-STATE LASER

The all-solid-state laser is characterized by high output power stability, a good beam profile, an ultra-compact design, a long lifetime, and ease of operation. It is widely used in collimation, laser medical treatment, scientific experiments, optical instruments, and other fields.



SPECIFICATIONS

Wavelength (nm)	473±1
Operating mode	CW
Output power (mW) ¹	500-1000
Power stability (rms, over 4 hours)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
M ²	<1.5
Beam diameter at the aperture (1/e ² , mm)	~2.0
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>100:1, Vertical (Horizontal optional)
Warm-up time (minutes)	<5
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50
Pointing stability over temperature (μrad/°C)	<8
Beam height from base plate (mm)	27.4
Operating temperature (°C)	10-35
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-SR
Power supply (12VDC)	PSU-SR-OEM(12V/25A)
Expected lifetime (hours)	>10000

LASER HEAD ²	HEATSINK (optional TC-02-FS)	POWER SUPPLY (PSU-H-FDA) ³
 197(L)×70(W)×50(H) mm³, 1.5kg	 202(L)×110(W)×47.5(H) mm³, 1.25kg	 276.6(L) ×145(W) ×103.6(H) mm³, 2.3kg
POWER SUPPLY (PSU-H-LED) ⁴	POWER SUPPLY (PSU-SR) ⁴	DRIVER (PSU-SR-OEM) ⁴
 273.6 (L) ×145(W) ×106 (H) mm³, 2.3kg	 188(L) ×145(W) ×83(H) mm³, 1.2kg	 150(L) ×111(W) ×41.3(H) mm³, 0.8kg

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power.

4 Output power adjustable 10-100%; RS232 control optional.