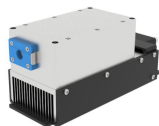


MDL-MD-637/640/642/1-2000mW



**RED DIODE LASER
AT 637/640/642nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in laser projection, laser shows, biomedical applications, holography, metrology, etc.

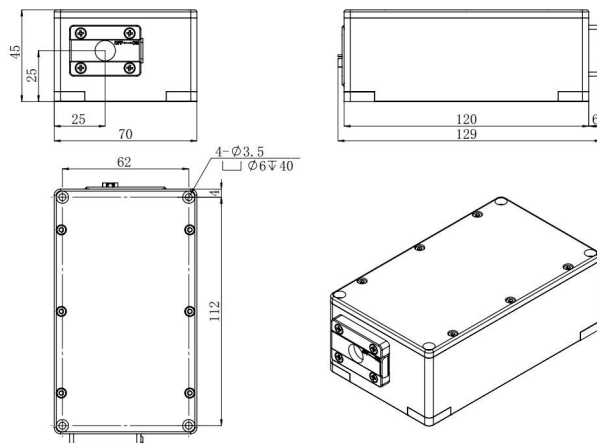


SPECIFICATIONS

Central wavelength (nm)	637±10/ 640±10/ 642±10
Operating mode	CW
Output power (mW) ¹	1-2000
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%
Transverse mode	Multimode
Polarization direction	Horizontal/ Vertical
Beam diameter at the aperture (mm)	~6.0×6.0
Beam divergence, full angle (mrad)	<2.0×2.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	25
Operating temperature (°C)	25±3
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-N-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000

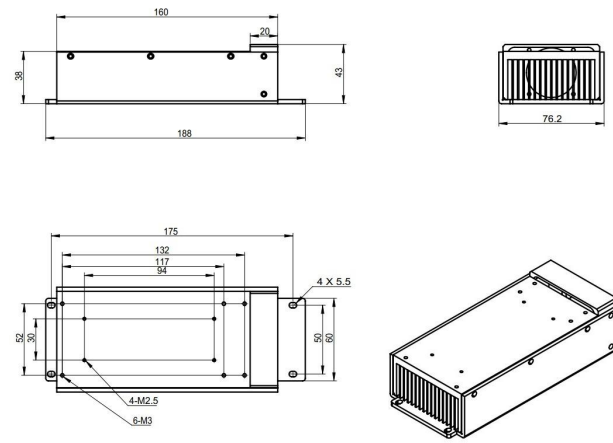


LASER HEAD²



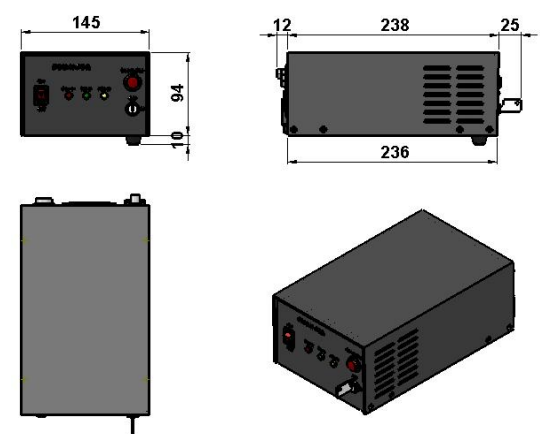
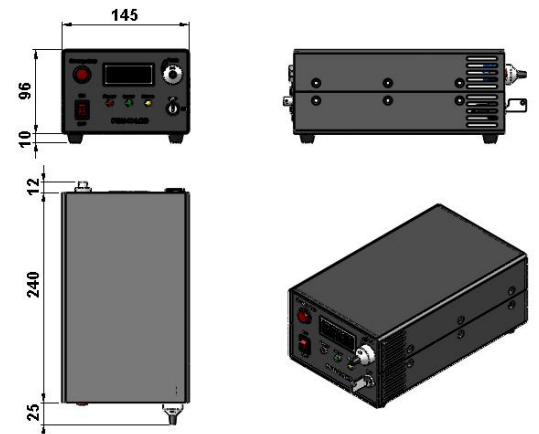
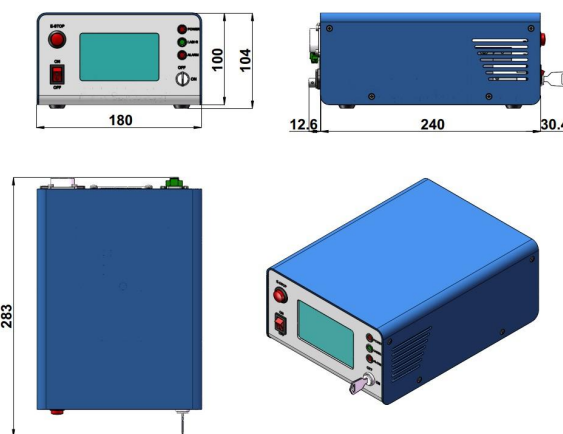
129 (L) × 70 (W) × 45 (H) mm³, 0.7kg

HEATSINK (TC-04)



188 (L) × 76.2 (W) × 43 (H) mm³, 0.65kg

Website: <http://www.cnilaser.com> E-mail: sales@cnilaser.com Tel: +86-431-85603799 Fax: +86-431-89216068

POWER SUPPLY (PSU-H-FDA) ³	POWER SUPPLY (PSU-H-LED) ⁴	POWER SUPPLY (PSU-N-LED) ⁴
 275 (L) × 145 (W) × 104 (H) mm³, 2.1kg	 277 (L) × 145 (W) × 106 (H) mm³, 2.3kg	 283 (L) × 180 (W) × 104 (H) mm³, 2.5kg

- 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; Modulation up to 30kHz.
- 4 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.