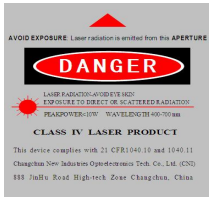
MDL-HD-637/640/642/2-4W

RED DIODE LASER AT 637/640/642nm

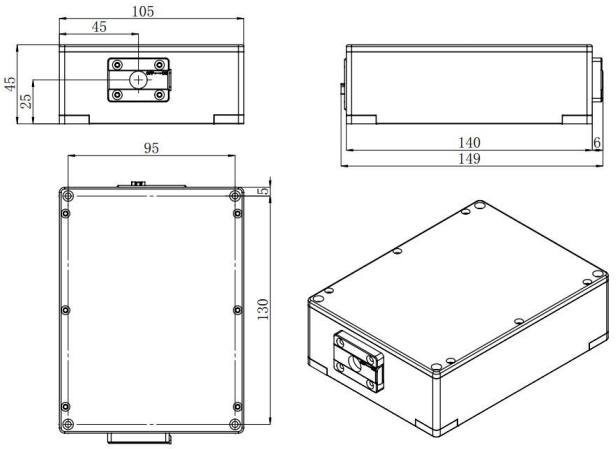
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in laser projection, laser shows, biomedical applications, holography, metrology. etc.

SPECIFICATIONS

Central wavelength (nm)	637±10/ 640±10/ 642±10
Operating mode	CW
Output power (W)[1]	2-4
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-N-FDA/PSU-N-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000

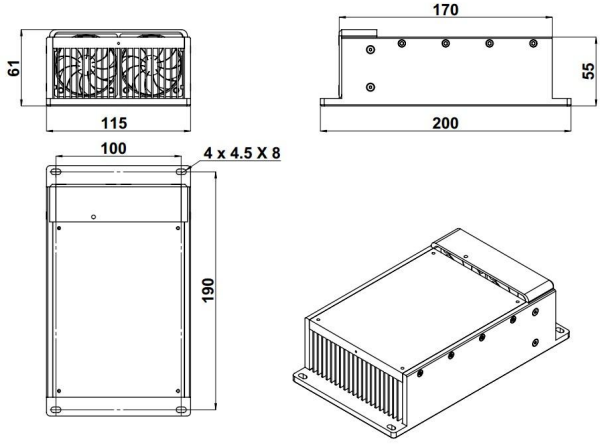


LASER HEAD[2]



149 (L) ×105 (W) ×45 (H) mm³, 1.7kg

HEATSINK optional



200 (L) ×115 (W) ×61 (H) mm³, 1.4kg

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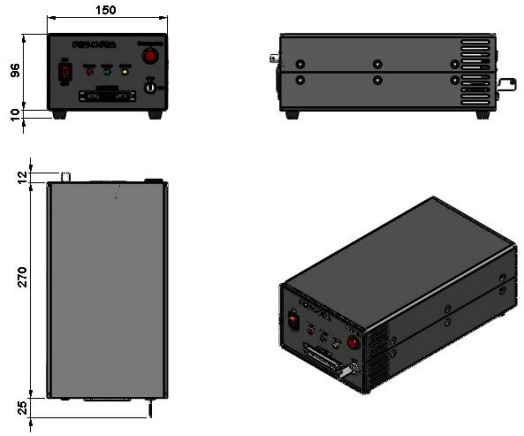
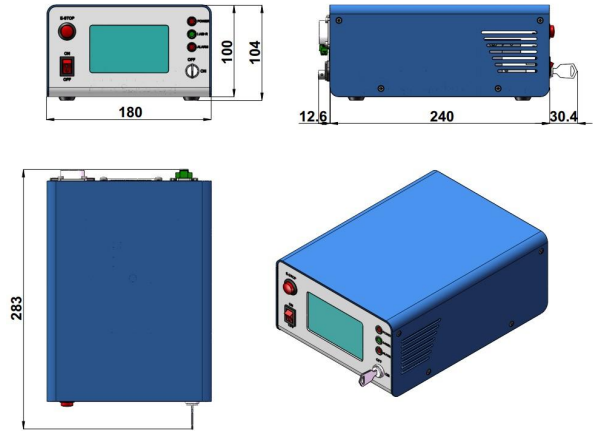
POWER SUPPLY (PSU-N-FDA)[3]	POWER SUPPLY (PSU-N-LED)[4]
	
307 (L) ×150 (W) ×106 (H) mm³, 3.0kg	**283 (L) ×180 (W) ×104 (H) mm³, 2.5kg**

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.