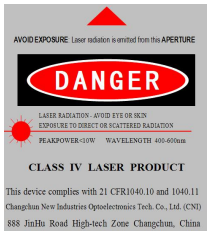
MBL-FN-473/1-500mW

LD PUMPEDALL-SOLID-STATE BLUE LASER AT 473nm

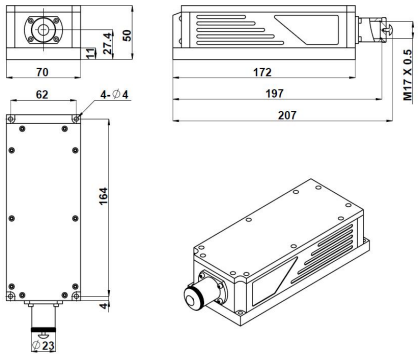
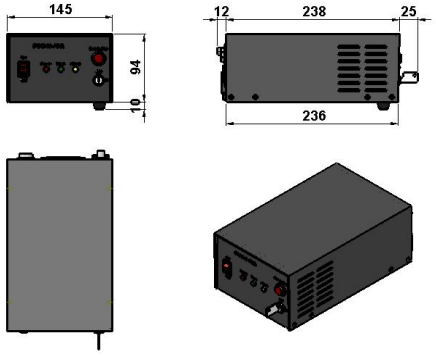
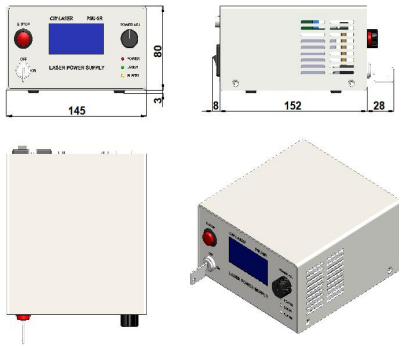
All solid state 473nm laser is made features of high stability, ultra compact, long lifetime, cost -effectiveness and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, chip inspection, physics experiments, etc.

SPECIFICATIONS

Central wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>1, 50, 100, …, 150	>150, 200, 250, … ,500
Power stability (rms, over 4 hours) at 25℃	<1%, <2%, <3%	<2%, <3%, <5%
Transverse mode	TEM_{00}	Near TEM_{00}
M^2 factor	<1.2	<1.5
Beam diameter at the aperture ($1/e^2$, mm)	~2.0	~3.0
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Vertical±5 degree (Horizontal Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27. 4	
Operating temperature (℃)	10~35	
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty	1 year	



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

MBL-FN-473	PSU-H-LED	PSU-H-FDA	PSU-SR
			
197(L)×70(W)×50(H) mm³,1.5 kg	277 (L) ×145(W) ×106 (H) mm³, 2.6 kg	275(L) ×145(W) ×104(H) mm³, 2.3 kg	188(L) ×145(W) ×83(H) mm³, 2kg