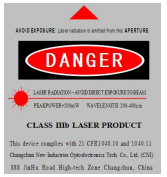
MPL-N series



LD PUMPED ALL-SOLID-STATE UV LASER

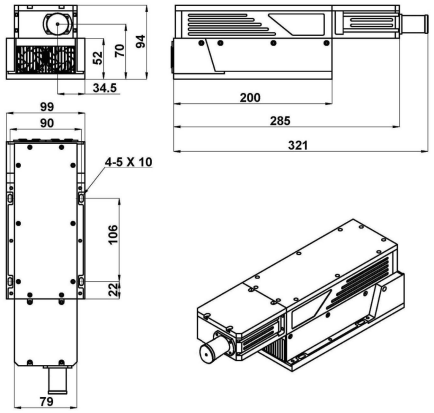
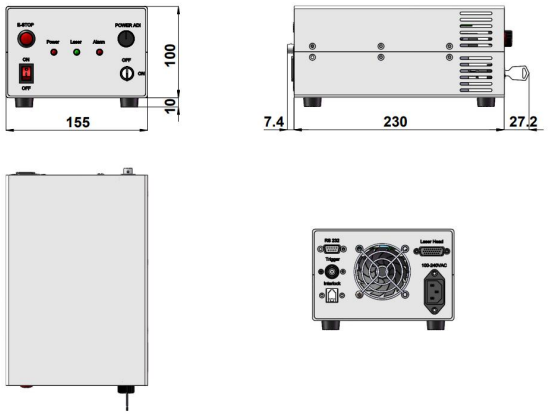
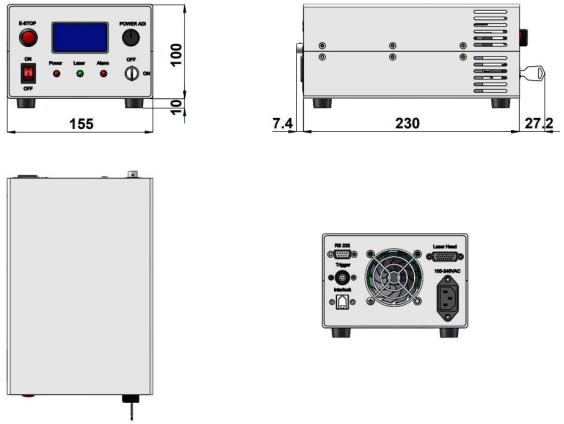
All solid state UV laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.





SPECIFICATIONS

Wavelength (nm)	257±1	343±1	515±1
Operating mode	Passively		
Max average power (mW)[1]	1-15	1-50	1-60
Single pulse energy (μJ)[2]	0.1-4	0.1-7	1-30
Pulse duration (ns)	~5	~7	~10
Peak power (kW)	0.02-0.8	0.01-1	0.1-3
Rep. rate (kHz)[3]	2-5	4-8	1-2
Ave power stability (over 4 hours)	<5%, <3%		
Transverse mode	Near TEM_{00}		
M^2	<2.0		
Beam diameter at the aperture (mm)	~1.0		
Polarization ratio	>50:1, Horizontal (Vertical optional)		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	70		
Operating temperature (°C)	10-35		
Power supply (100-240VAC)	PSU-Q-FDA/PSU-Q-LED		
Expected lifetime (hours)	>10000		

LASER HEAD	POWER SUPPLY (PSU-Q-FDA)[4]	POWER SUPPLY (PSU-Q-LED)[5]
		
321(L)×99(W) ×94(H) mm³, 3.215 kg	264.6(L) ×155(W) ×110 (H) mm³, 2.3 kg	264.6(L) ×155(W) ×110 (H) mm³, 2.6kg

1.Average power (mW)= Single pulse energy (μJ)* Rep. rate(kHz).

2.Any energy level can be selected in this range.

3.The rep.rate is a free running value within this range.

4.Fixed output power.

5.Output power adjustable 10-100%.