

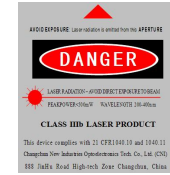


MPL-N series



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.

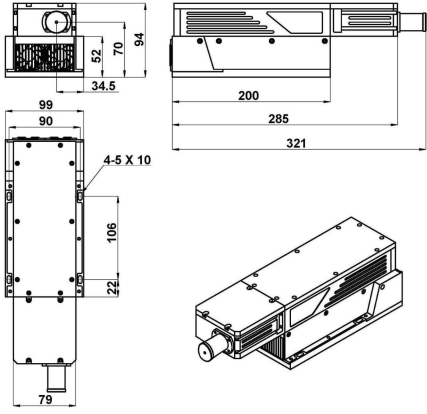
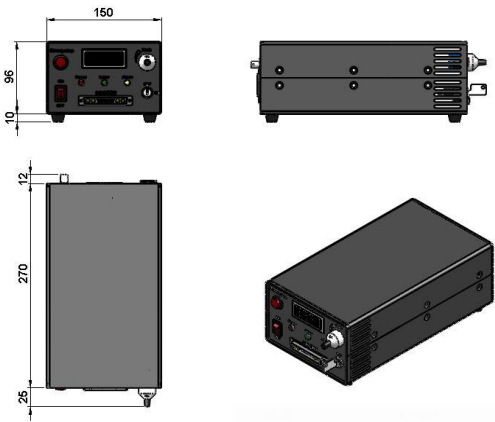
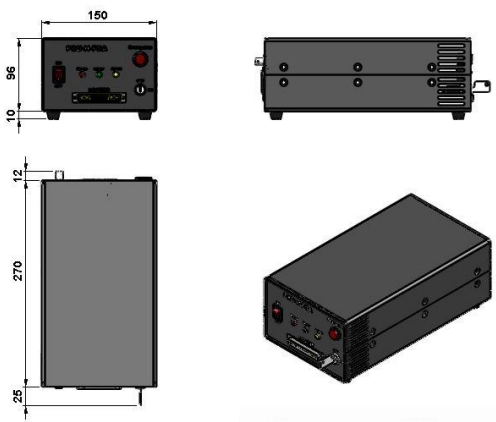


SPECIFICATIONS

Wavelength (nm)	257±1	343±1
Operating mode	Frequency conversion of Q-switched pulsed laser	
Max average power (mW)*	1~15	1~50
Single pulse energy (μJ)	0.1~4	0.1~7
Pulse duration (ns)	~5	~7
Peak power (kW)	0.02~0.8	0.01~1
Rep. rate (kHz)	INT FIXED (One internal fixed rep.rate)	/
	EXT TRIG (External triggered)	/
	QCW	Between 2k-5kHz.
Ave power stability (over 4 hours)	<5%, <3%	
Transverse mode	Near TEM ₀₀	
M ² factor	<2.0	
Beam diameter at the aperture (mm)	Elliptical (4:1), Beam spot 0.5*2mm	
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 (90-264VAC)	PSU-H-LED/PSU-H-FDA	
Warranty	1 year	
Remarks	Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1064/532nm laser.	

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



LASER HEAD	POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)
 <p data-bbox="353 718 631 742">321(L)×99(W)×94(H) mm³, 3.215 kg</p>	 <p data-bbox="981 718 1258 742">307(L)×150(W)×106(H) mm³, 2.9 kg</p>	 <p data-bbox="1630 718 1908 742">307(L)×150(W)×106(H) mm³, 2.9 kg</p>