



UV-FN series

LD PUMPED ALL-SOLID-STATE UV LASER

All solid state UV laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



SPECIFICATIONS

Wavelength (nm)	261±1	273±1	303±1	320±1	335±1
Operating mode	CW				
Output power (mW)	1-10	1-5	1-30	1-100	1-60
Power stability (rms, over 4 hours)	<3% (<2% Optional)			<3%, <2%, <1%	
Transverse mode	TEM ₀₀				
M ² factor	<3.0		<2.0	<1.5	
Beam diameter at the aperture (1/e ² , mm)	<1.0				
Beam divergence, full angle (mrad)	<1.2				
Polarization Ratio	>100:1, Vertical (Horizontal Optional)				
Warm-up time (minutes)	<10				
Pointing stability after warm-up (mrad)	<0.05				
Beam height from base plate (mm)	32.5				
Operating Temperature (°C)	10-35				
Modulation option	DC-1kHz; TTL and Analog modulation optional				
Power supply (90-264VAC)	PSU-H-FDA	PSU-H-LED/PSU-H-FDA/PSU-SR			
Expected lifetime (hours)	>10000				

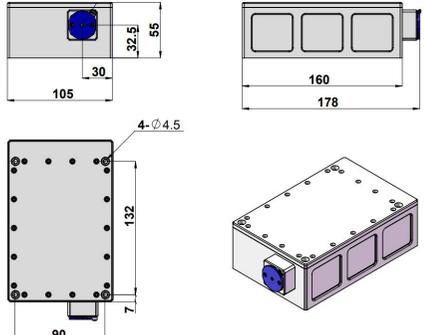
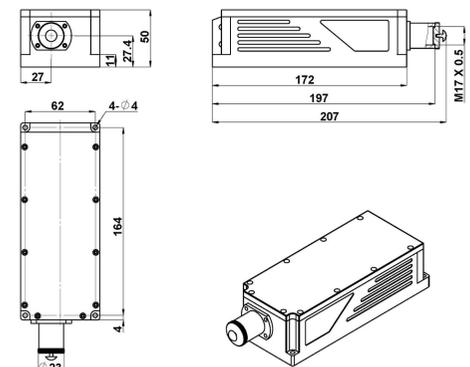
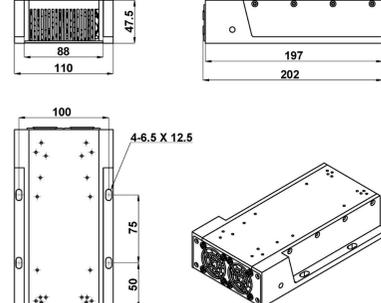
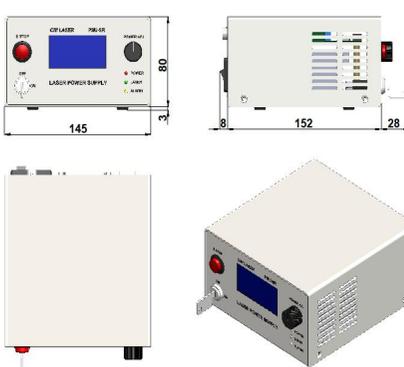
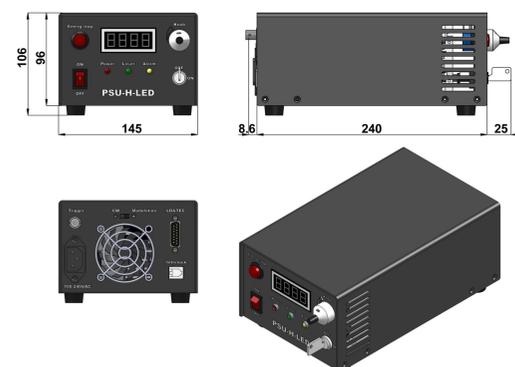
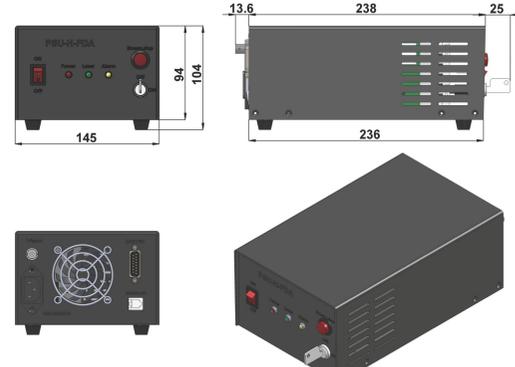
Note: The laser head needs to be used on a heat sink with good heat dissipation.



SPECIFICATIONS

Wavelength (nm)	349±1	355±1	360±1	365±1
Operating mode	CW			
Output power (mW)	1-150	1-50	1-150	1-100
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<5%, <3% (<2% Optional)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀			
M ² factor	<1.2			<2.0
Beam diameter at the aperture (1/e ² , mm)	<1.0	<1.2	<1.0	
Beam divergence, full angle (mrad)	<1.2	<1.5	<1.2	<1.5
Polarization Ratio	>100:1, Vertical (Horizontal Optional)			
Warm-up time (minutes)	<10			
Pointing stability after warm-up (mrad)	<0.05			
Beam height from base plate (mm)	32.5/ 27.4			
Operating Temperature (°C)	10-35			
Modulation option	DC-1kHz; TTL and Analog modulation optional			
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR	PSU-H-FDA	PSU-H-LED/PSU-H-FDA/PSU-SR	
Expected lifetime (hours)	>10000			

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

LASER HEAD (UV-FN-261/ 273/ 303/ 320/ 335/ 349/ 360/ 365)	LASER HEAD (UV-FN-355)	HEATSINK(OPTIONAL TC-02-FS)
 <p style="text-align: center;">178(L)×105(W)×55(H) mm³, 1.5kg</p>	 <p style="text-align: center;">197(L)×70(W)×50(H) mm³, 1.5 kg</p>	 <p style="text-align: center;">220(L)×110(W)×47.5(H) mm³, 1.25 kg</p>
POWER SUPPLY (PSU-SR)	POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)
 <p style="text-align: center;">188(L)×145(W)×83(H) mm³, 1.2kg</p>	 <p style="text-align: center;">273.6 (L) ×145(W) ×106 (H) mm³, 2.3 kg</p>	 <p style="text-align: center;">276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg</p>

261nm&355nm lasers are not recommended for LED power supply.