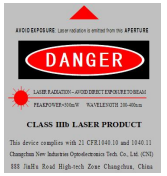
UV-DP-xxx-B series (200-300nm)

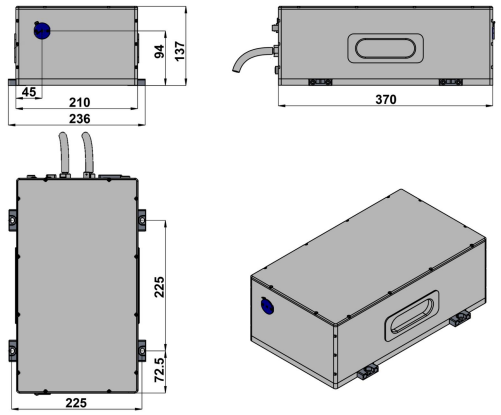
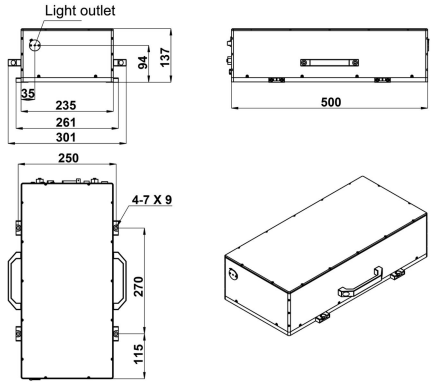
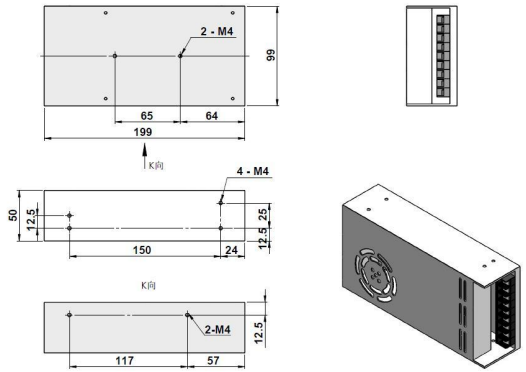
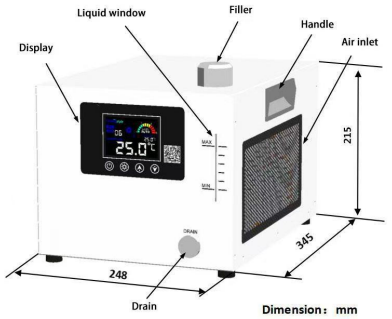
LD PUMPED ALL-SOLID-STATE LASER



All solid-state CW mode UV laser features ultra compact, easy operating, high power and staiblity, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.

SPECIFICATIONS

Central wavelength (nm)	248±2	250±1	257±3	259±1	261±1	266±1	269±1	273±1	275±1	280±1	287±1	298±1
Operating mode	CW											
Output power (mW)[1]	1-50	1-50	1-150	1-150	100-1500	50-500	1-300	100-400	50-200	1-20	1-100	1-100
Power stability (rms, 4 hours±3°C)	<2%, <1%, <0.5%									<3%		
Transverse mode	Near TEM_{00}											
Beam diameter at the aperture ($1/e^2$, mm)	<3.0											
Beam divergence, full angle (mrad)	<3.0											
Warm-up time (minutes)	<10											
Polarization ratio	>50:1(>100:1 optional) Vertical (Horizontal optional)											
Beam height from base plate (mm)	94											
Cooled method (Water Cooled)	WCH-580											
Operating temperature (°C)	10-35											
Modulation option	DC-1kHz; TTL and Analog optional											
Operating voltage (VDC)	12V/ 25A											
Expected lifetime (hours)	>10000											

LASER HEAD (DRIVER Integrated) (UV-DP-248/250/257/259/261/269/273/275-B)	LASER HEAD (DRIVER Integrated) (UV-DP-266/280/287/298-B)
 370(L)×236(W)×137(H) mm³, 17.8kg	 500(L)×301(W)×137(H) mm³, 25.0kg
POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-580)
 199(L)×99(W)×50(H) mm³, 1.0kg	 345 (L) ×248 (W) ×215(H) mm³, 10.5kg

1 Any power level can be selected in this range.