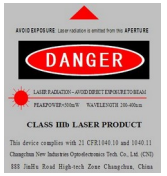
+1-631-246-3067
info@aladdinoptics.com

UV-DP-B series (301-400nm)

LD PUMPED ALL-SOLID-STATE LASER

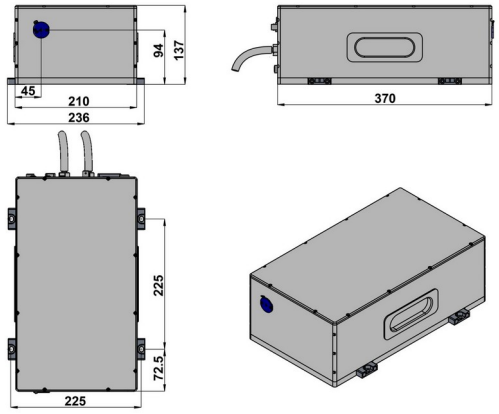
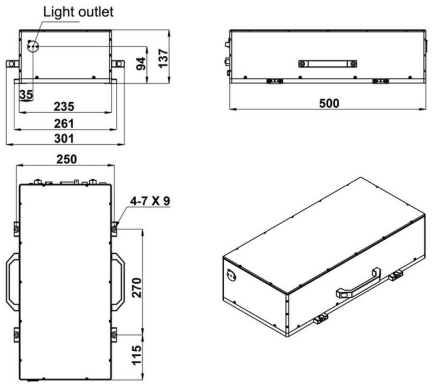
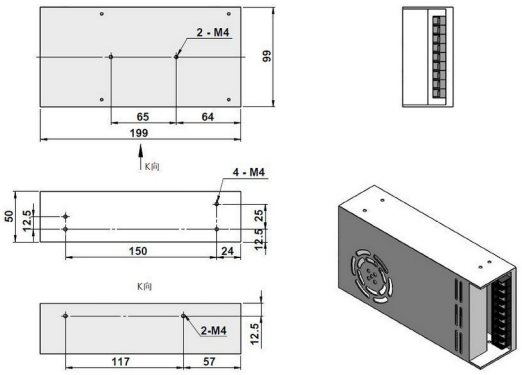
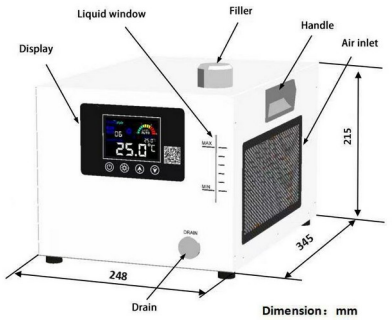




All solid-state CW mode UV laser is made features of ultra compact, easy operating, high power and staiblity, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, , physics experiment, etc.

SPECIFICATIONS

Central wavelength (nm)	302±2	304±1	320±1	325±1	330±1	335±1	340±1	349±1	360±1	365±1	373±1
Operating mode	CW										
Output power (mW)[1]	1-500	30-500	500-4000	1-1000	1-50	200-1200	1-1000	400-4000	400-4000	150-1200	1-100
Power stability (rms, 4 hours±3℃)	<2%, <1%, <0.5%				<3%	<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 (℃)	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-302/304/320/335/340/349/360/365/373-B)	LASER HEAD (DRIVER Integrated) (UV-DP-325/330-B)
	
370(L)×236(W)×137(H) mm^3, 17.8kg	**500(L)×301(W)×137(H) mm^3, 35.0kg**
POWER SUPPLY (100-240VAC) optional	WATER CHILLER (WCH-580)
	
199(L)×99(W)×50(H) mm^3, 1.0kg	**345 (L) ×248 (W) ×215(H) mm^3, 10.5kg**

1 Any power level can be selected in this range.