



UV-DP-313 series

LD PUMPED ALL-SOLID-STATE LASER

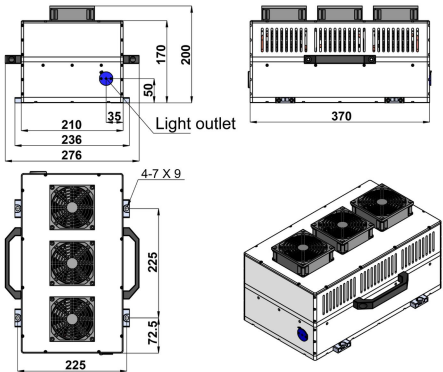
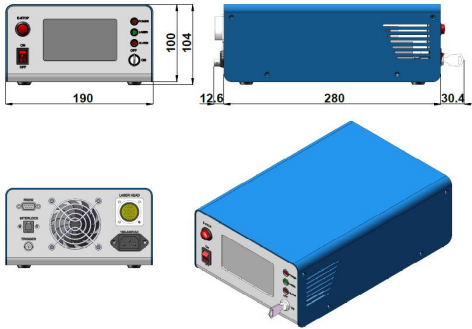
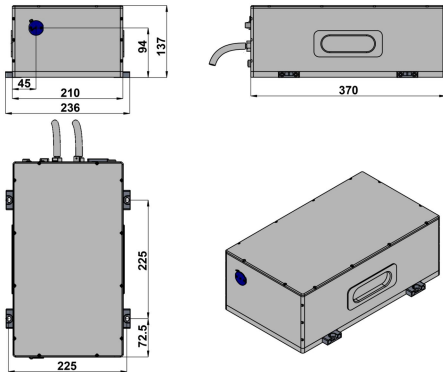
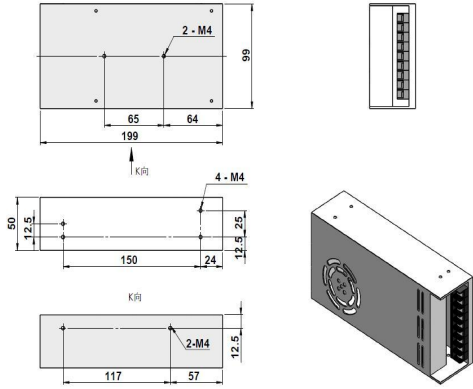
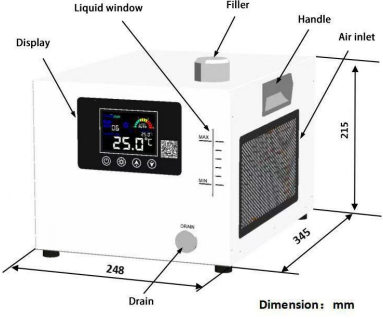
All solid-state CW mode UV laser is made features of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, physics experiment, etc.



SPECIFICATIONS

Part number	UV-DP-313-A	UV-DP-313-B
Operating mode	CW	
Output power (mW) ¹	1-500	500-4000
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%	<2%, <1%, <0.5%
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)	50	94
Cooled method	Air Cooled	WCH-580 (Water Cooled)
Operating temperature (°C)	10-35	
Modulation option	/	DC-1kHz; TTL and Analog optional
Power supply (100-240VAC)	PSU-DP-A	/
Operating voltage (VDC)	/	12V/ 25A
Expected lifetime (hours)	>10000	

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LASER HEAD (UV-DP-313-A)  370(L)×276(W)×200(H) mm³, 18.0kg	POWER SUPPLY²  323(L)×190(W)×104(H) mm³, 4.0kg	LASER HEAD (DRIVER Integrated) (UV-DP-313-B)  370(L)×236(W)×137(H) mm³, 17.8kg
POWER SUPPLY (100-240VAC) optional  199(L)×99(W)×50(H) mm³, 1.0kg	WATER CHILLER (WCH-580)  345 (L) ×248 (W) ×215(H) mm³, 10.5kg	

1 Any power level can be selected in this range.

2 Output power adjustable 10-100%; RS232 control optional.

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