



MRL-DP-xxx-B series

LD PUMPED ALL-SOLID-STATE LASER

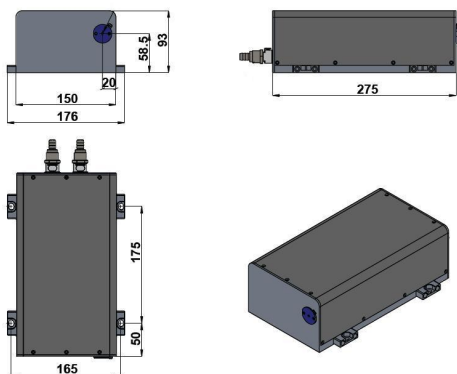
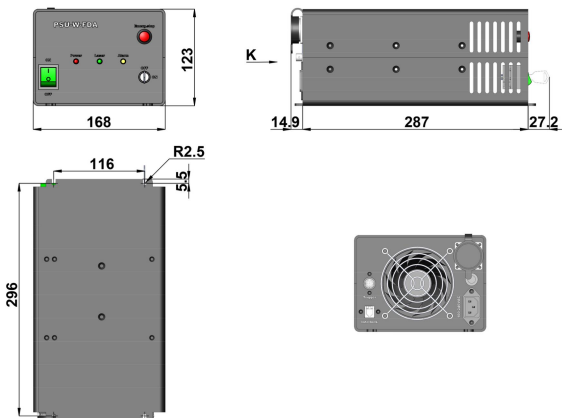
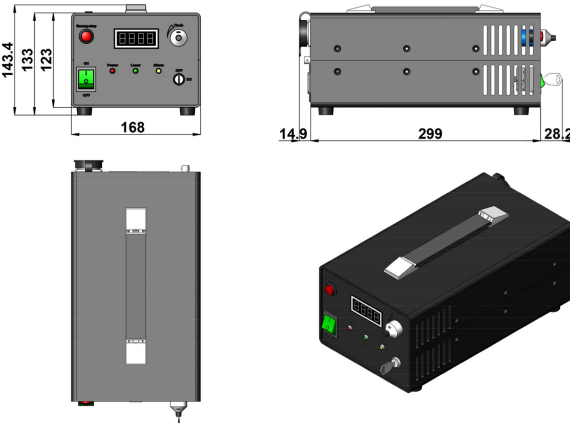
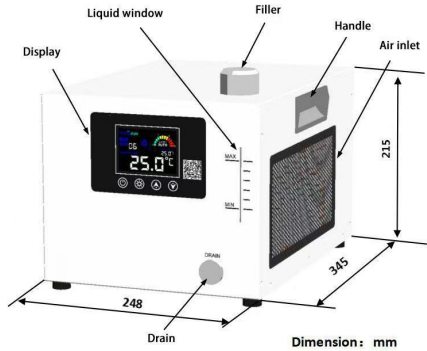
All solid-state CW mode laser is made features of ultra compact, easy operating, high power and stability, which is perfect for flow cytometry, spectrum analysis, microscopy, semiconductor inspection, cell sorting, optical instrument, physics experiment, etc.



SPECIFICATIONS

Part number	MRL-DP-607-B	MRL-DP-622-B	MRL-DP-639-B	MRL-DP-670-B		MRL-DP-698-B	MRL-DP-721-B	MRL-DP-747-B
Central wavelength (nm)	607±2	622±1	639±1	670±1		698±1	721±1	747±1
Operating mode	CW							
Output power (mW) ¹	2000-3500	50-100	4000-10000	2000-3500	3500-4000	3000-7000	3500-8000	1000-2000
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%							
Transverse mode	Near TEM ₀₀ (TEM ₀₀ optional)							
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	>100:1, Horizontal (Vertical optional)			>100:1, Vertical (Horizontal optional)				
Beam height from base plate (mm)	58.5							
Cooled method (Water Cooled)	WCH-580							
Operating temperature (°C)	10-35							
Power supply (100-240VAC)	PSU-W-FDA/ PSU-W-LED							
Expected lifetime (hours)	>10000							

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LASER HEAD	POWER SUPPLY (PSU-W-FDA) ²
 275(L)×176(W)×93(H) mm³, 7.5 kg	 329.1(L) × 168(W) × 123(H) mm³, 4.1 kg
POWER SUPPLY (PSU-W-LED) ³	WATER CHILLER (WCH-580)
 335 (L) × 168(W) × 141(H) mm³, 4.0 kg	 345 (L) × 248 (W) × 215(H) mm³, 10.5kg

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%.

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