

MBL-U-473/50~300mW



## **SOLID STATE LASER AT 473NM**

All solid state 473nm laser is made features of ultra-compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.









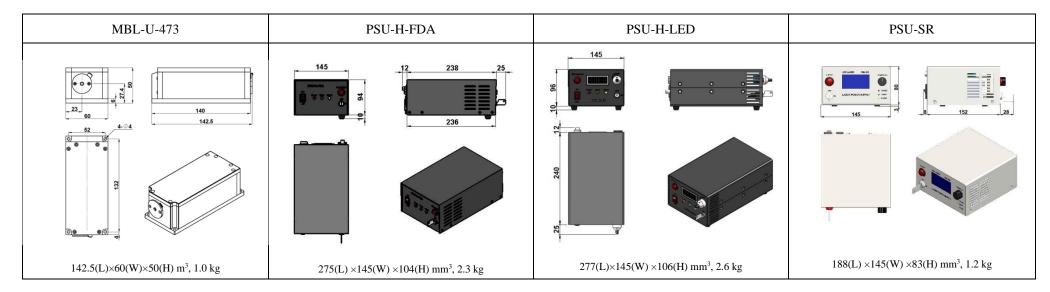
## **SPECIFICATIONS**

Wavelength (nm)	473±1	473±1	
Operating mode	CW		
Output power (mW)	50 - 200	200 - 300	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%, <5%	
Transverse mode	TEM <sub>00</sub>		
M <sup>2</sup> factor	<1.2		
Beam diameter at the aperture $(1/e^2, mm)$	<1.0		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)		
Warm-up time (minutes)	<5		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	27.4		
Operating temperature (°C)	10~40		
Max. laser head base plate temperature (°C)	50		
Laser head consumption(W)	15 (typical), <25 (40°C)		
Power supply (90-264VAC)	PSU-H-FDA/PSU-H-LED/PSU-SR		
Expected lifetime (hours)	10000		
Warranty	1 year		





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



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