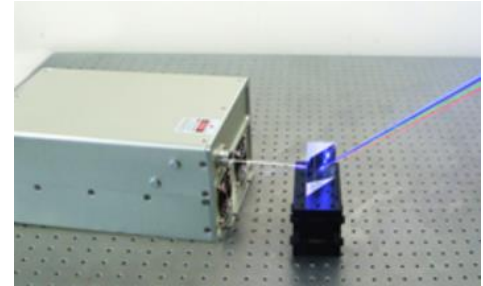


## MW473D593 Series 473nm/593.5nm Dual Wavelength Laser System up to 100mW

### Overview

The MW473D593 series multi-wavelength laser is ideal for applications that require two wavelengths of 473nm and 593.5nm and output power levels up to 100mW. The laser emits up to two wavelengths from one aperture and with separate power monitors for each wavelength. The laser is widely used in life sciences, fluorescence, spectral analysis and optogenetics.



### Specifications

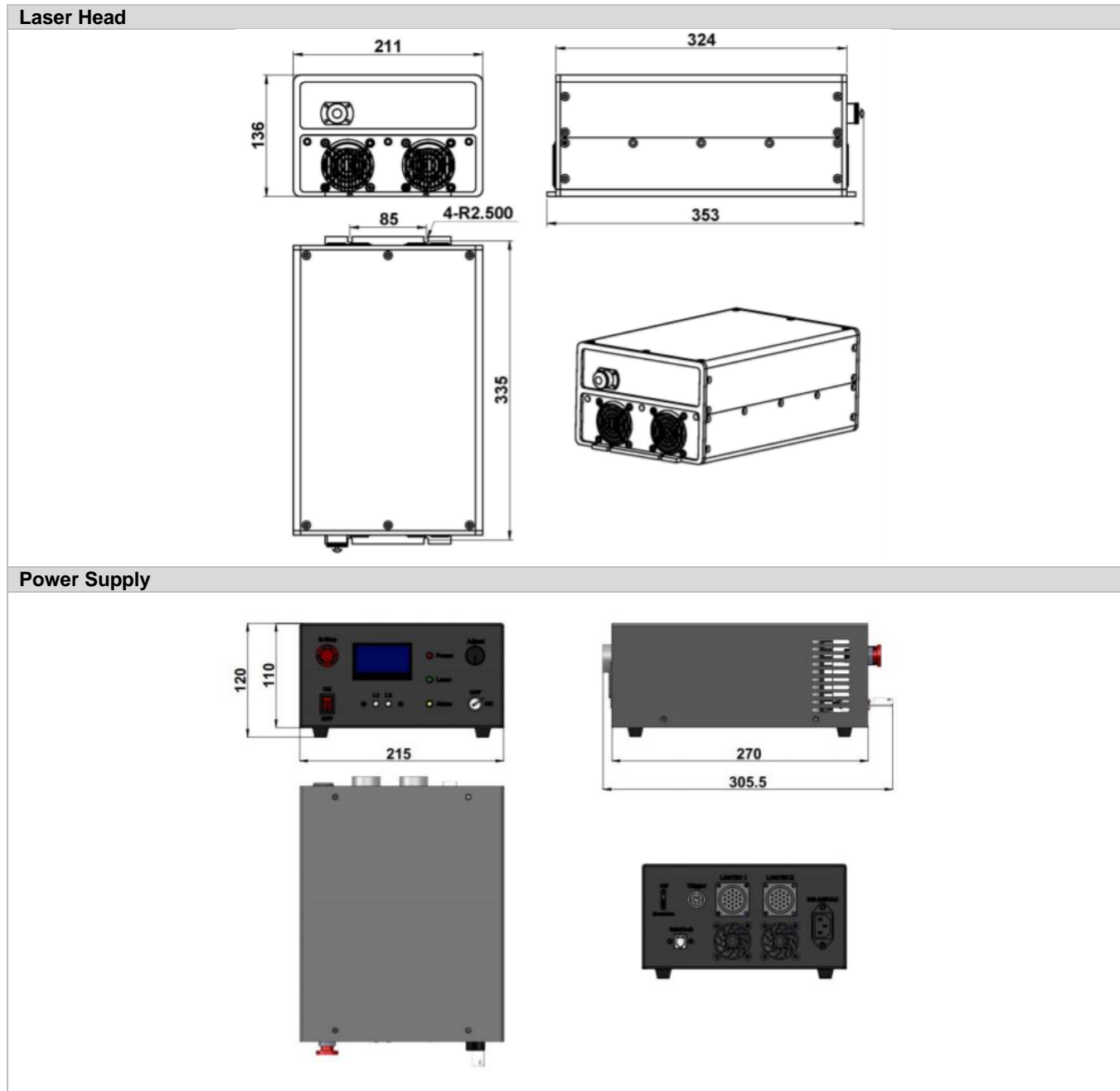
<b>Model Number</b>		<b>MW473D593-XPQ</b>
Wavelength (nm)		Blue at 473nm, Orange at 593.5nm
Total output power (mW)		>10 ( <b>X=10</b> ), >50 ( <b>X=50</b> ), >100 ( <b>X=100</b> )
Transverse mode		Near TEM <sub>00</sub> /TEM <sub>00</sub>
Operating mode		CW
Power stability (rms, over 4 hours)		<5% ( <b>P=A</b> ), <3% ( <b>P=E</b> ), <2% ( <b>P=2</b> )
Beam diameter at aperture (1/e <sup>2</sup> , mm)		~2.0
Beam divergence, full angle (mrad)		<1.5
Warm-up time (minutes)		<10
Operating temperature (°C)		10-35
Dimensions of laser head (mm)		353(L)×211(W) ×136(H) mm <sup>3</sup>
Weight of laser head (kg)		13.0 kg
RGB Laboratory Power Supply	Input voltage	100-240VAC
	Dimensions	305.5(L) ×215(W) ×120(H) mm <sup>3</sup>
	Weight	5.0 kg
Modulation option		None ( <b>Q=0</b> )
	TTL	1Hz-1kHz ( <b>Q=T1</b> ), 1kHz-10kHz ( <b>Q=T2</b> ), 10kHz-30kHz ( <b>Q=T3</b> )
	Analog	1Hz-1kHz ( <b>Q=A1</b> ), 1kHz-10kHz ( <b>Q=A2</b> ), 10kHz-30kHz ( <b>Q=A3</b> )
Expected lifetime (hours)		10,000
Warranty period		10 months
FDA Compliance		FDA CDRH Title 21 CFR 1040.10/11 Class IIIb

Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.



**Outline Dimensions (unit: mm)**



Note: The above specifications are subject to change without notice.