

## **TW1420R1430 Series 1420-1430nm Wavelength Tunable DPSS Laser System up to 1500mW**

### **Overview**

The TW1420R1430 series wavelength tunable diode pumped all solid-state laser is ideal for applications that require a wavelength range of 1420-1430nm and output power levels up to 1500mW. The laser is widely used in remote sensing, communication, spectrum analysis, and many other applications.

### **Specifications**

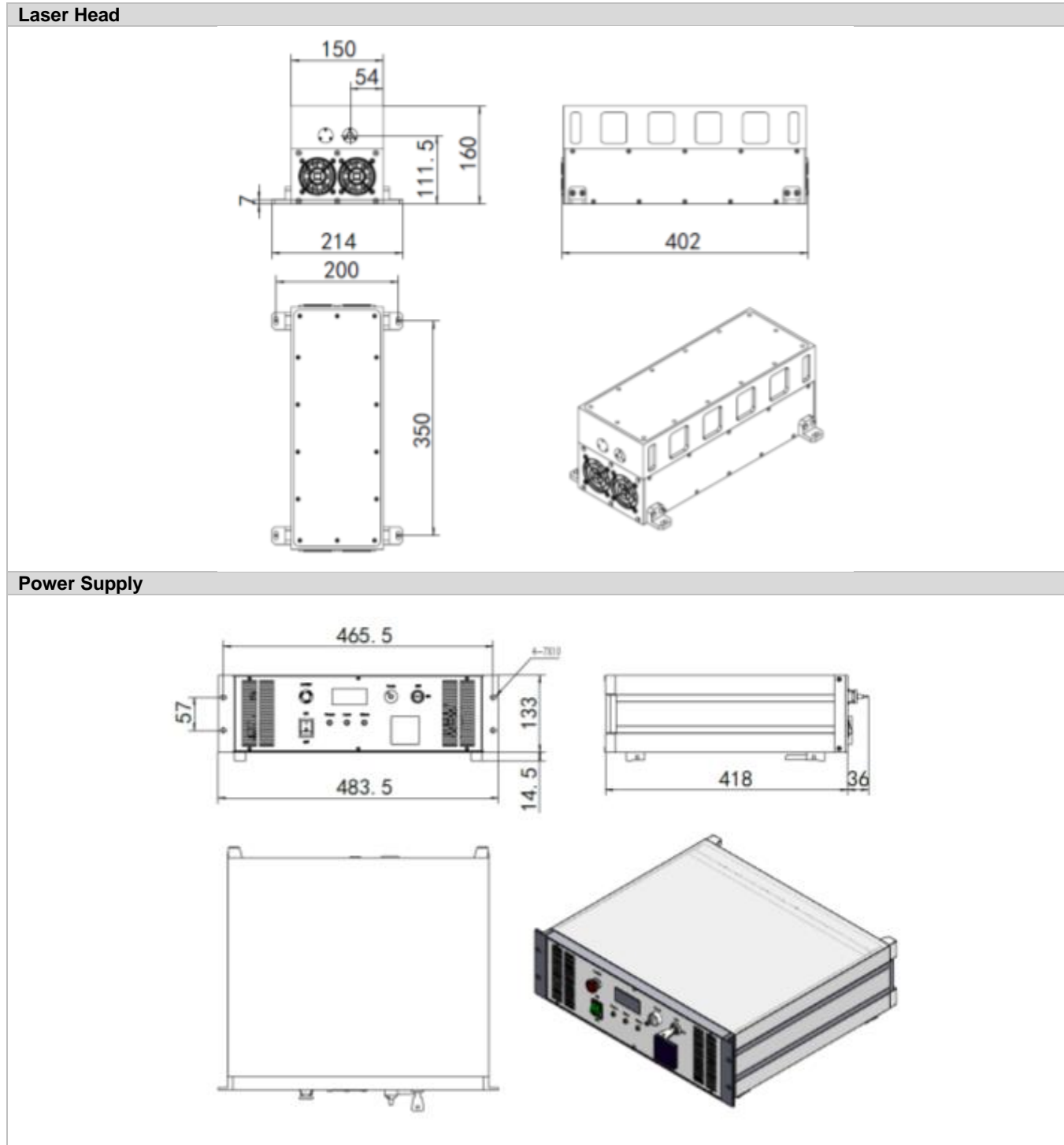
<b>Model Number</b>	<b>TW1420R1430-XZ</b>	
Tunable wavelength range (nm)	1420-1430	
Wavelength deviation (nm)	±10	
Operating mode	CW	
Average power (mW)	>500 ( <b>X=500</b> ), >1000 ( <b>X=1W</b> ), >1500 ( <b>X=1H</b> )	
Power stability (rms, over 4 hours)	<5% ( <b>Z=A</b> )	
Beam diameter at aperture (1/e <sup>2</sup> , mm)	<10	
Beam divergence, full angle (mrad)	<8	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	111.5	
Operating temperature (°C)	15-30	
Dimensions of laser head (mm)	402(L)×214(W)×160(H) mm <sup>3</sup>	
Weight of laser head (kg)	10 kg	
Power supply	Input voltage	90-264VAC
	Dimensions	483.5(L)×454(W)×147.5(H) mm <sup>3</sup>
	Weight	8.3 kg
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

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.