



**Model No. DPF-515-XFYP**  
**515nm DPSS LASER UP TO >100mW**

The DPF-series 515nm LD pumped all-solid-state laser is constructed with features of high stability, FDA compliance, ultra-compactness, long lifetime, cost effectiveness and easy operating. It is widely used in scientific experiment, laser fluorescence, and many other applications.

**SPECIFICATIONS**

<b>Model No.</b>	<b>DPF-515-XFYP</b>
<b>Wavelength (nm)</b>	515±1
<b>Output power (mW)</b>	>10 ( <b>X=10</b> ), >30 ( <b>X=30</b> ), >50 ( <b>X=50</b> ), >80 ( <b>X=80</b> ), >100 ( <b>X=100</b> )
<b>Transverse mode</b>	Near TEM <sub>00</sub>
<b>Operating mode</b>	CW
<b>Power stability (rms, over 4 hours)</b>	<10% ( <b>P=B</b> )
<b>Dimensions of beam at aperture (1/e<sup>2</sup>, mm)</b>	~3.0
<b>Beam divergence, full angle (mrad)</b>	<2.0
<b>M<sup>2</sup> factor</b>	<2.0
<b>Polarization ratio</b>	>100:1
<b>Warm-up time (minutes)</b>	<10
<b>Pointing stability after warm-up (mrad)</b>	<0.05
<b>Beam height from base plate (mm)</b>	45
<b>Operating temperature (°C)</b>	10~35
<b>Laser head</b>	211(L)×88(W) ×74(H) mm <sup>3</sup> ; 1.6kg
<b>Power supply (90-240VAC)</b>	<b>High Power Elite Power Supply (Y=H):</b> 236 (L) ×145(W) ×104(H) mm <sup>3</sup> , 2.3kg with complete FDA compliant features, such as the turnkey switch and interlock, and easy to operate; CW mode  <b>High Power Laboratory Power Supply (Y=M):</b> 277(L) ×145(W) ×106 (H) mm <sup>3</sup> , 2.6kg with complete FDA compliant features, such as the turnkey switch and interlock, and more functions; CW mode with the adjustable output power knob, and operating current LED display
<b>Optional modulation</b>	No ( <b>Q=0</b> )
<b>Expected lifetime (hours)</b>	10,000
<b>Warranty</b>	10 months
<b>Remarks</b>	The stability of output power is promised at the maximum output power only. The stability of output power may change when you adjust the output power.

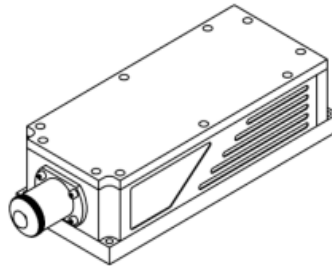
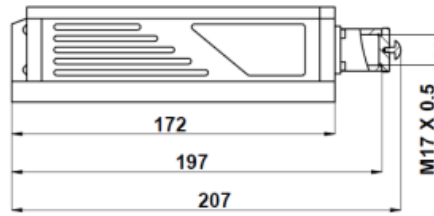
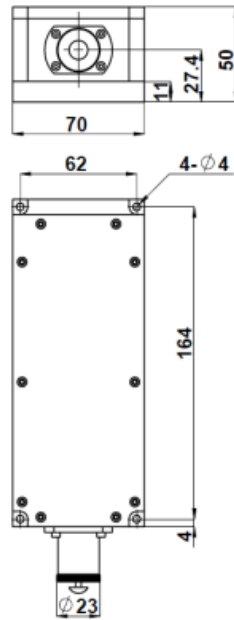
**Note: The above specifications are subject to change without notice.**





**Mechanical Outline (unit: mm)**

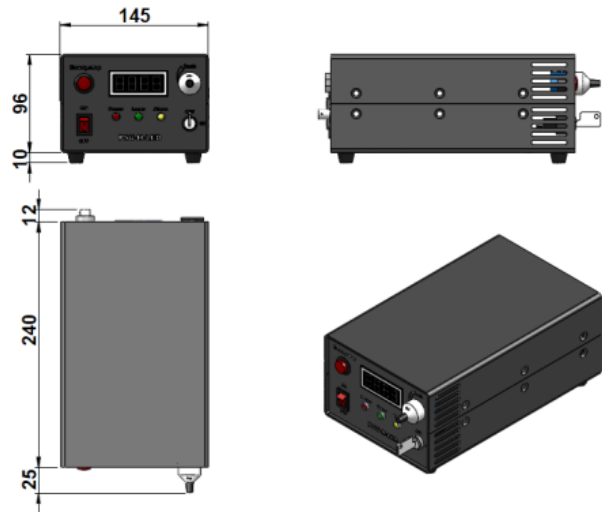
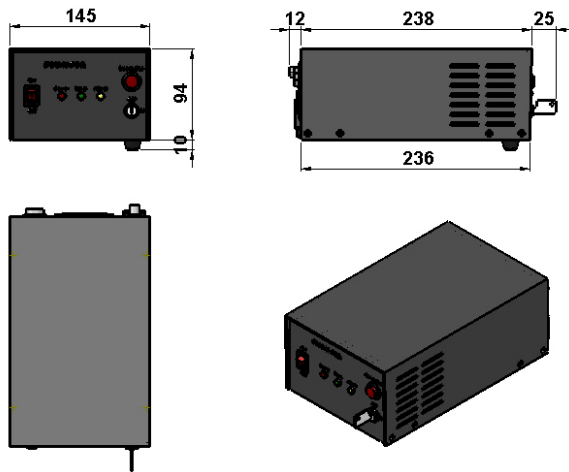
**Laser Head**



**Power Supply**

**High Power Elite Power Supply (Y=H)**

**High Power Laboratory Power Supply (Y=M)**



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