

**Model No. DPW-1064-XFYPZQ
1064nm DPSS LASER UP TO >20W**

The DPW-series 1064 nm LD pumped all-solid-state laser is constructed with features of high stability, low noise option, FDA compliance, high power, ultra-compactness, long lifetime, and easy operating. It is widely used in measurement, spectrum analysis, scientific experiment, optical instrument, optical sensor, communication and many other applications.

SPECIFICATIONS

Model No.	DPW-1064-XFYPZQ	
Wavelength (nm)	1064±1	
Output power (mW)	>8000 (X=8W), >10000 (X=10W)	>15000 (X=15W), >20000 (X=20W)
Transverse mode	TEM ₀₀	Near TEM ₀₀
Operating mode	CW	
Power stability (rms, over 4 hours)	<5% (P=A), <3% (P=E), <2% (P=2), <1% (P=D)	
Noise of amplitude (rms, 1-20MHz)	<1% for Low Noise (Z=1); >1% (Z=2)	
Dimensions of beam at aperture (1/e², mm)	<2.0	3-5
Beam divergence, full angle (mrad)	<2.0	
M² factor	<2.0	3-8
Polarization ratio	>100:1	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	93.5	
Operating temperature (°C)	10-35	
Laser head	346(L) x 140(W) x 125(H) mm ³ , 5.7 kg	
Power supply (90-240VAC)	High Power W Version Elite Power Supply (Y=W): 307(L) x168(W) x123(H) mm ³ , 4.5 kg; complete FDA compliant features (turnkey switch and interlock); easy to operate; CW mode with optional TTL or Analog modulation up to 10kHz High Power W Version Laboratory Power Supply (Y=N): 336(L) x168(W) x133(H) mm ³ , 4.6 kg; complete FDA compliant features (turnkey switch and interlock) with more functions; CW mode with adjustable output power knob, operating current LED display, and optional TTL or Analog modulation up to 10kHz	
Optional Modulation	None (Q=0) TTL: 1Hz -1kHz (Q=1), 1kHz -10kHz (Q=2) Analog: 1Hz -1kHz (Q=3), 1kHz -10kHz (Q=4)	
Expected lifetime (hours)	10,000	
Warranty	10 months	
Remarks	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.	

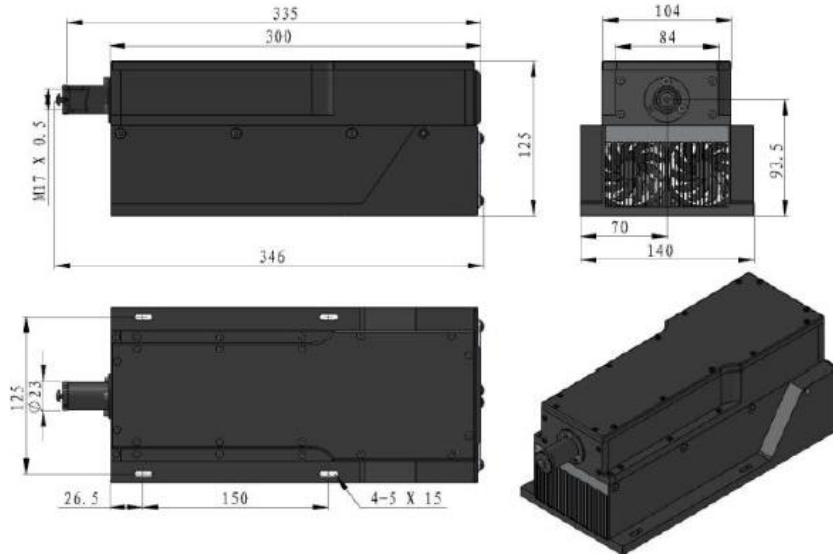
Note: The above specifications are subject to change without notice.





MECHANICAL OUTLINE (unit: mm)

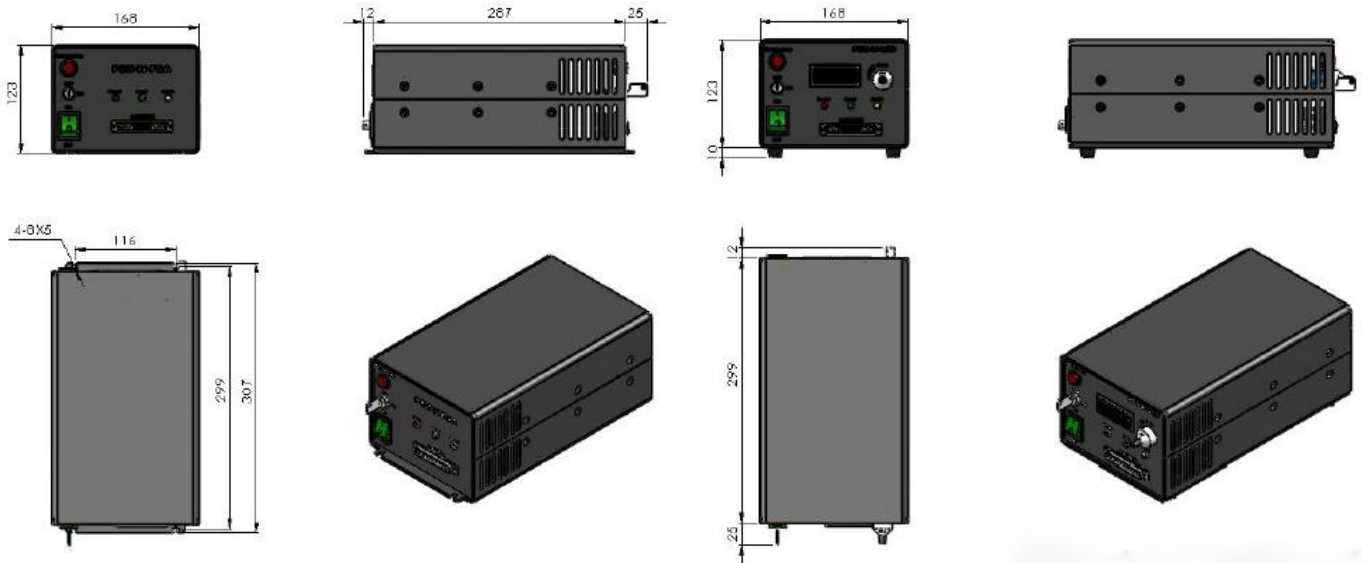
Laser Head



Power Supply

High Power W Version Elite Power Supply (Y=W)

High Power W Version Laboratory Power Supply (Y=N)



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