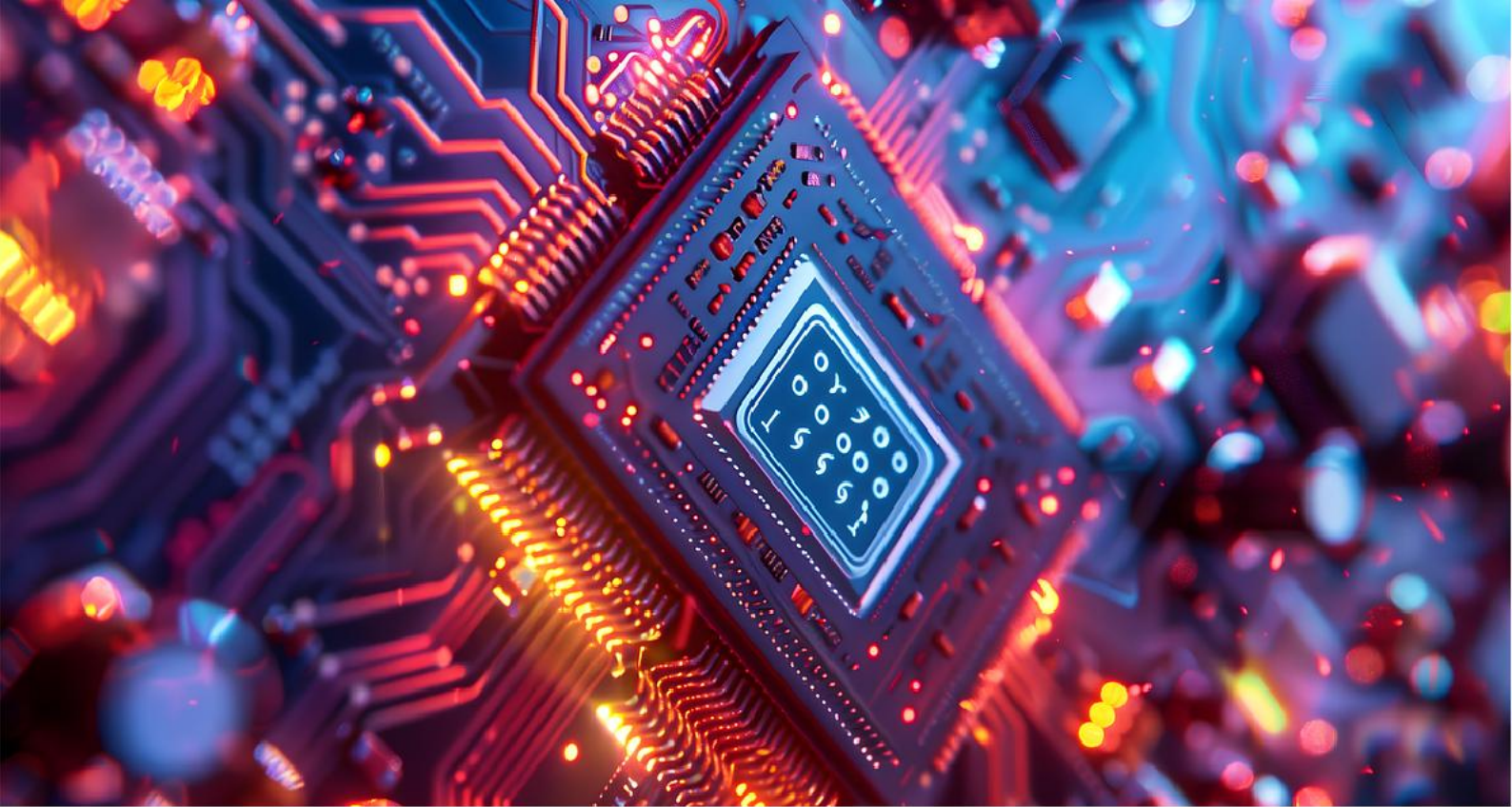




High Power Narrow Linewidth Green Laser

Based on single frequency seed laser, fiber laser amplification and high efficiency frequency conversion technology, Precilasers can provide narrow linewidth 532nm laser with high frequency stability, long lifetime and excellent beam quality.

Features

- Long Life
- High Power
- Narrow Linewidth
- Excellent Beam Quality
- Never Mode-hop

Applications

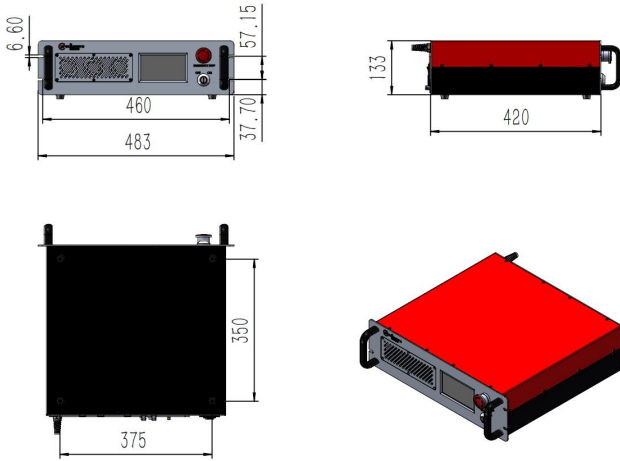
- Precision Measurement
- Interference Exposure



Specification				
Partnumber	FL-SF-X-Y ⁽¹⁾ -CW			
Center Wavelength	532.00nm			
Common wavelengths	532nm, 520nm, 541nm			
Linewidth ⁽²⁾ (100 us integration)	<50kHz			
Operation Mode	Continuous			
Output Power	> 20W	> 40W	> 60W	> 80W
Beam Waist Diameter	0.8±0.2 mm			
Beam Waist Location Relative to Output Window (m)	Output window within ±0.3m			
Beam Divergence (Full Angle)	<0.8mrad			
Beam Ellipticity	0.9-1.1			
Pointing Stability	<50μrad@30min, RMS			
Beam Quality	TEM ₀₀ , M ² <1.3			
Polarization	Linear, Vertical±3°, >20dB			
Power Stability	<0.75% @3hours, RMS			
Relative Intensity Noise	<0.1%(RMS, 10Hz-10MHz integration)			
Spectral Purity	>99.9%			
Cooling	Air Cooling/ Water Cooling	Water Cooling		
Warm-up Time				
Cold Start	<2 hours			
From Standby	<30 minutes			
From Crystal Shift	<2 minutes			
Dimensions & Weights				
Laser Head Dimensions	400mm x 320mm x 134.5mm			
Laser Controller Dimensions	483mm x 420mm x 133mm(Air Cooling) 483mm x 422mm x 105mm(Water Cooling)			
Chiller Dimensions	NA	≤580mm x 290mm x 520mm		
Cable Length between Controller and Head	>1.5m			
Operating Environment & Power Supply				
Temperature	15-30 °C		15-35 °C	
Power Supply	100V-240V, AC, 50/60Hz			
Communication	RS422			

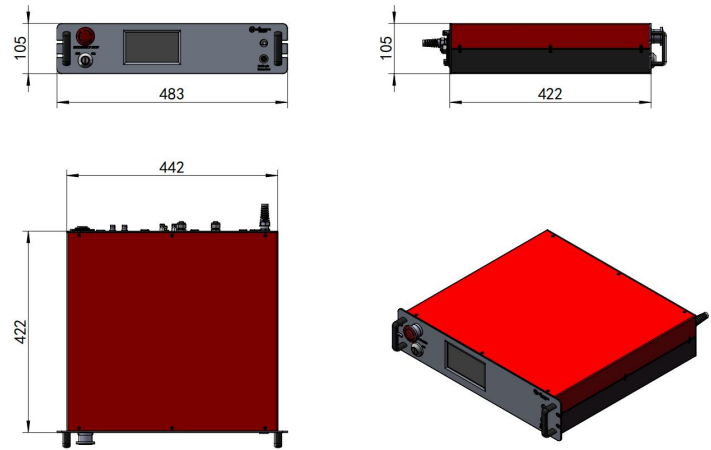
Air Cooling Version Dimensions (Power:20W)

Laser Controller

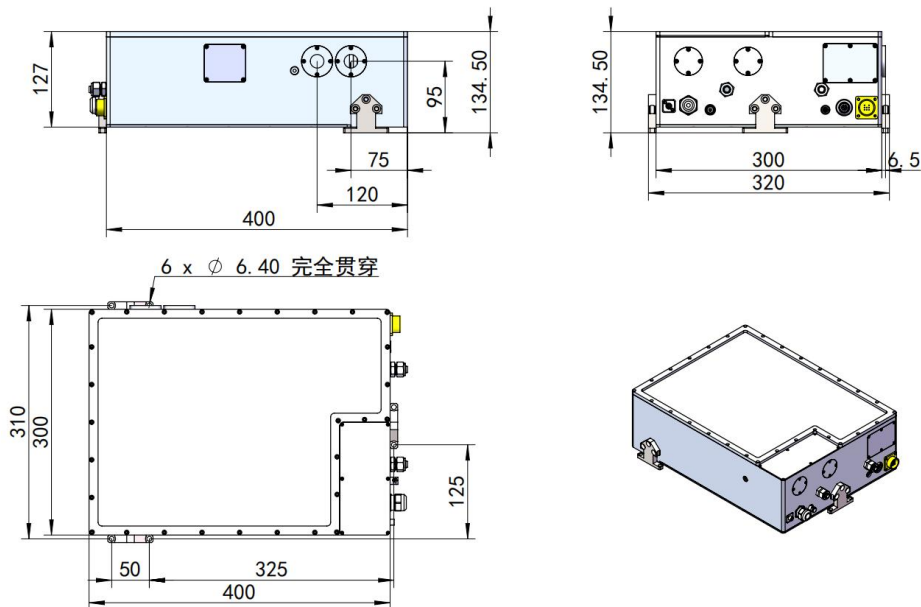


Water Cooling Version Dimensions (Power:≥40W)

Laser Controller



Laser Head



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⚠ Laser Hazard

Visible or invisible laser radiation, avoid eye or skin exposure to direct, reflected or filtered radiation.

CLASS 4 Laser Products

