

355nm Solid-state Picosecond Laser

The solid-state laser-based solution achieves high repetition rate, high power 355nm laser output, which is suitable for applications such as precision detection.



Features

- Narrow Pulse Width
- High Power
- Excellent Beam Quality
- High Power Stability

Applications

- Atomic and Molecular Photophysics
- Quantum Computing
- Semiconductor Inspection



Specification		
Partnumber	PL-PS-355-xx ⁽¹⁾	
Center Wavelength	355nm ⁽²⁾	
Operation Mode	pulse	
Average Power	>1W >5	5W >8W
Repetition frequency	70MHz-100MHz [®]	
Repetition rate lock option	< 1mHz@24h	
Pulse Width ⁽⁴⁾	<50ps @1064nm	<20ps @1064nm
Spectral Width ⁽⁴⁾	<60pm @1064nm	<100pm @1064nm
Beam Waist Diameter	1.3-1.7mm	
Beam Divergence	<0.5mrad	
Pointing Stability	<20urad/K	
Power Stability	<0.75% @3hrs, RMS	
Beam Quality	TEM ₀₀ , M ² <1.2	
Cooling	Water Cooling	

- (1) XX laser power, in W, for example, output power 8W: PL-PS-355-8.(2) Other central wavelengths can be customized(3)(4) Repetition rate and pulse width can be customized

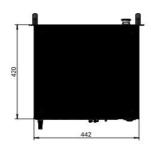
Other Parameters	
Temperature	15-35°C(No condensation conditions)
Power Supply	100V-240V AC, 50/60Hz

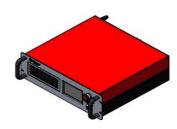


Product Dimensions

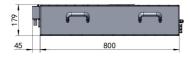


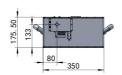


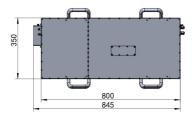


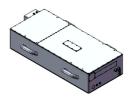


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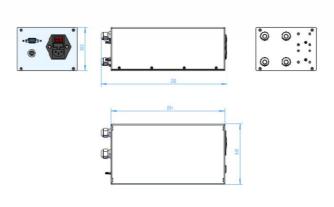








Laser Head



Air pump size

