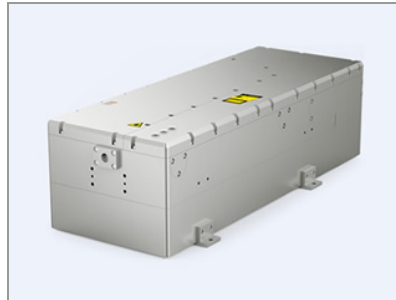


PRODUCTS

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Poplar Low-Power Nanosecond UV Lasers

- Stable output of power and pulse width
- Excellent beam quality, $M^2 < 1.2$
- High beam pointing stability
- Wide repetition rate range: 20-200kHz
- Controllable with RS232 interface
- Unique Intracavity frequency doubling technology.
- Triggerable external



All Products

- Femtosecond Pulsed Fiber Laser
- Olive-532-4 Olive-1064-10
- **Olive-532-15 Olive-1064-30**
- Olive-1064-50
- **Poplar-355-3 Poplar-355-5**
- **Poplar-355-12 Poplar-355-18**
- Spruce-532-10 Spruce-532-20
- Spruce-532-35
- **Erai-S Olive-S**

Parameters

	Poplar-355-3	Poplar-355-5
Wavelength	355nm	355nm
Output Power	>3W@40kHz	>5W@40kHz
Repetition Rates	20kHz-200kHz	20kHz-200kHz
Pulse Width	<20ns@40kHz	<18ns@40kHz
Power Stability	≤3%rms	≤3%rms
Pulse-to-pulse Stability	≤3%rms	≤3%rms
Spatial Mode	TEM ₀₀ (M ² ≤1.2)	TEM ₀₀ (M ² ≤1.2)
Beam Diameter	≤10mm	≤10mm
Beam Divergence	≤2mrad	≤2mrad
Beam-pointing Stability	<25μrad	<25μrad
Beam Roundness	≥90%	≥90%
Polarization Ratio	Horizontal, >100:1	Horizontal, >100:1
Working Material	Nd:YVO ₄	Nd:YVO ₄
Warm-up Time	<15min	<15min
Ambient Temperature	10-35°C	10-35°C
Humidity	<65%	<65%
Cooling	Water	Water
Voltage	110/220V, 50/60Hz	110/220V, 50/60Hz
Power Consumption	500W	600W
Classification	Class 4	Class 4
Laser Head Size	500×185×147 mm ³	500×185×147 mm ³



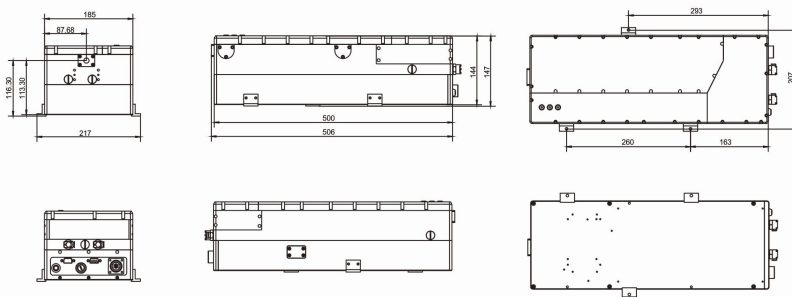
[Introduction](#)

Poplar Low-power Nanosecond Ultraviolet Laser integrates the reflector path and the power control system into the laser head cavity by adopting brand new integrated design, so as to facilitate customer integration. The laser is designed in strict accordance with the manufacturing requirements of world top customers, adapts to the demand of laser rapid precision machining line, and ensures stability and reliability for a long term.

Application

This series of products is mainly applied in the 3C industry for precision marking, casing marking of white household appliances and flying marking in food and drug industry. The products can also be used for metal or non-metal surface coating stripping, scribing and blind slot treatment of various materials, micropore manufacture of new ultrathin metal materials, etc.

Size



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