

ALICE-PS series

Pico-second medical OEM laser



FEATURES

- 500mJ at 1064nm /250mJ at 532nm
- 300ps pulse duration
- 1-10 Hz repetition rate
- Incorporate Injection-Seeding mode to provide outstanding Top hat spatial profile
- Compact and reliable resonator structure ensures long-term thermal and mechanical stability

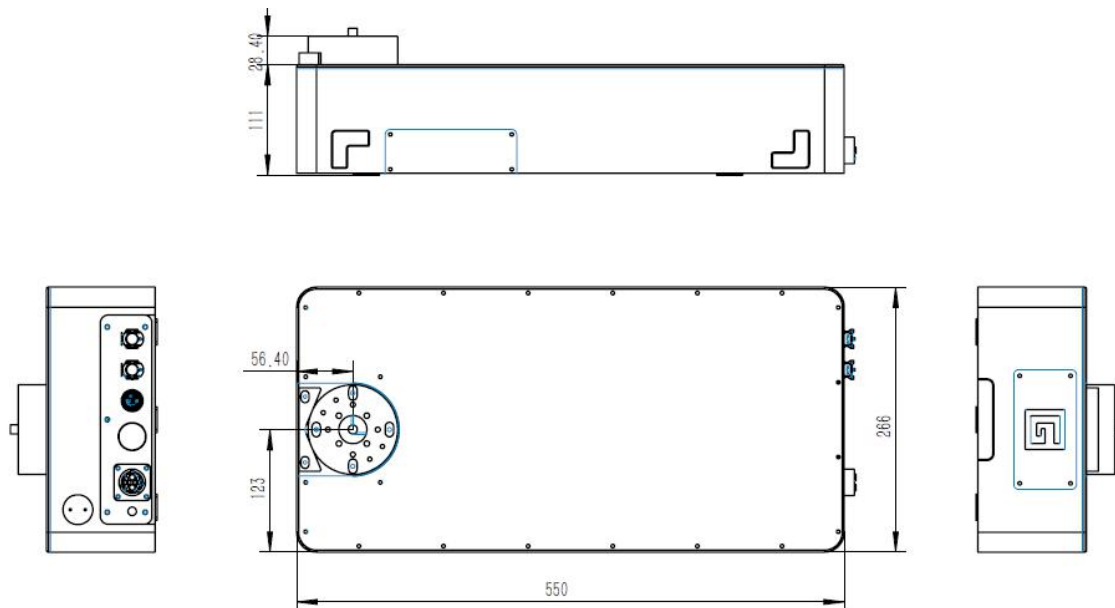
APPLICATIONS

- Medical Beauty
- Chloasma removal
- Tattoo removal
- Skin pigment treatment

ALICE-PS series laser all feature a Injection-Seeding mode design, and homogenization Mirror coupled flat top output. Supply system and optical system layered structure both contribute to ALICE-PS lasers' long term high performance and reliability.

ALICE-PS Laser Head
Mechanical Specifications

Unit: mm



ALICE-PS series Specifications



Pico-second medical OEM laser

Beam characteristics

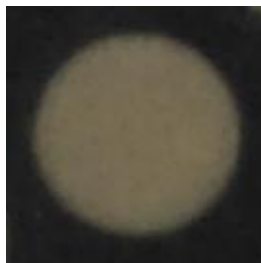
Version	ALICE-PS
Repetition Rate ¹ (Hz)	1-10Hz
Energy (mJ)	
1064nm	500mJ
532nm	250mJ
Energy Stability RMS (%)	
1064nm	1%
532nm	2%
Power Drift ² (%)	
1064nm	2%
532nm	3%
Pulsewidth FWHM ³ (ps)	
1064nm	300ps
532nm	270ps
Divergence ⁴ (mrad)	<1mrad
Beam Diameter (mm)	~10.5
Beam Spatial Profile	Top hat
Polarization	linear

General characteristics

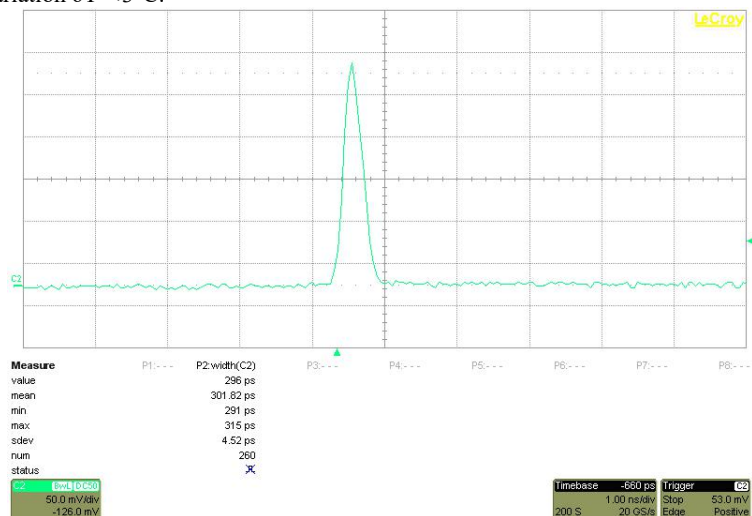
AC Input	220 VAC ±5% 50-60Hz
Power Consumption	<1.0kW (typical 500mJ at 10Hz)
Operating Conditions	Temperature 20-35°C Humidity <60%

NOTES

- All specifications at 1064nm and 10Hz repetition rate unless otherwise noted.
- Average in 8 hours with room temperature variation $\delta T < 3^{\circ}\text{C}$.
- Full width at half maximum.
- Full angle for 86.5% of energy.



Beam profile



China

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