

高功率全固态泵浦激光器



可选项：

- Single Longitudinal Mode
- Beam expanding and collimating optics
- External Beam modulator
- Circular polarization
- Monitoring photodiode
- Red aiming beam
- AC-DC power supply
- Harmonic generation at 532nm and 266nm
- Parametric generation at 1.5 um and 3 um

特点：

- 脉冲能量高达4 mJ
- 峰值功率4 MW
- 500 ps到3 ns的脉冲宽度
- 重复频率1-100 kHz
- 一体化设计
- 散热少，空气冷却

应用：

- 薄膜去除
- 玻璃和硬质材料精细加工
- 激光雷达
- 非线性光谱学
- 谐波产生
- 光参量过程
- 可见光红外光参量振荡泵浦
- 太赫兹
- 辐射产生



指标参数

1064 nm Wedge Models	High energy		Sub-ns	
	Wedge HB	Wedge XB	Wedge HF	Wedge XF
Max pulse Energy	2 mJ	4 mJ	180 uJ	60uJ
Repetition rate	Single shot to 2 kHz	Single shot to 1 kHz	10 kHz to 100 kHz (option:down to single shot,up to 200 kHz)	
Harmonics/ Wavelength conversion	532 nm-355 nm-266 nm 1.5 um-3.3 um			
Pulsewidth	<1.5 ns		down to 600 ps	down to 400 ps
Peak Power	up to 2 WM	up to 4 WM	up to 250 kW	up to 100 kW
Polarization	Linear 100:1(option:circular polarization)			
Beam quality(M ²)	<2	<2.5	<1.3	
Cooling	Air-cooled (option:water cooling and contact cooling)			
DC voltage IN	Dual 8 V-15 V	Dual 12 V-15 V	24 V	
Overall Mechanical Dimensions	26 x 22 x 8 cm ³ (10 x 9 x 3 in ³)	26 x 25 x 10 cm ³ (10 x 10 x 4 in ³)	19 x 10 x 8 cm ³ (7 x 4 x 3 in ³)	
Weight	<10 kg(<22 lbs)	<12 kg(<27 lbs)	<2.5 kg(<5.5 lbs)	

短脉冲Q开关全固态泵浦激光器



特点：

- 高达40 W
- 峰值功率200 KW
- 500 ps到3 ns的脉冲宽度
- 重复频率高达200 kHz
- 电子脉冲能量调制
- 一体化设计，散热小，空气冷却

应用：

- 材料精细加工
- 标记
- 划片
- 薄膜去除
- 非线性光谱学

可选项：

- Beam expanding and collimating optics
- Red aiming beam
- Extend frequency range
- Pulse width modulation
- Circular polarization
- Monitoring photodiode
- AC-DC power supply