



EO-1064-G/0.3~2.5mJ

**HIGH ENERGY DIODE
PUMPED ALL-SOLID-STATE
Q-SWITCHED LASER**

High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in topography measurement, marking, ranging, micro-processing, scientific research, and so on.



SPECIFICATIONS

	EO-1064-G-I			EO-1064-G-II
	1064±1			
Wavelength (nm)	1064±1			
Operating mode	Q-switched: EO (Electro-optic)			
Output power (W)	4@5KHz	7.5@25KHz	5@2KHz	20@50KHz
Single pulse energy (mJ)	0.8@5KHz	0.3@25KHz	2.5mJ@2KHz	0.4@50KHz
Pulse duration (ns)	<8@5KHz	<15@25KHz	<15@2KHz	<8@50KHz
Rep. rate (kHz)	1k~25kHz		One fixed value between 1k~3kHz	1k~100kHz
Power stability (rms)	<1%, <2%			<1%, <2%
M ²	<1.2		<2	<2
Pointing stability (urad, std)	<20			<20
Beam divergence, full angle (mrad)	<3			<3
Beam diameter (mm)	~1			~1
Beam height from base plate (mm)	80			78
Warm-up time (minutes)	<15			<15
Cooled method	Air cooled			Air cooled
Operating temperature (°C)	15~30			15~30
Power supply (DC 24V)	PSU-EO-G-I			PSU-EO-G-II
Expected lifetime (hours)	10000			
Warranty period	1 year			
Options	Higher energy can be customized; Higher frequency can be customized; Reliability and environmental adaptation can be customized;			



Laser Head		Power Supply	
EO-1064-G-I	EO-1064-G-II	PSU-EO-G-I(DC 24V)	PSU-EO-G-II(DC 24V)
<p>241.4(L)×210(W)×118(H)mm³ 5.8kg</p>	<p>352(L)×210(W)×150(H)mm³ 10kg</p>	<p>366(L)×264(W)×102(H)mm³ 6.5kg</p>	<p>391(L)×344(W)×120.5(H)mm³ 10kg</p>