



EO-1064-H/1~1.5mJ

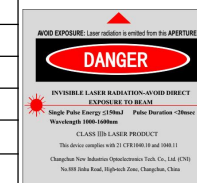
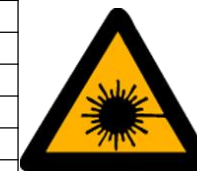
HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

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

Wavelength (nm)	1064±1	
Operating mode	Q-switched: EO (Electro-optic)	
Single pulse energy (mJ)	0.75@5KHz	1.5@3KHz
Pulse duration (ns)	<7@5KHz	<10@3KHz
Rep. rate (kHz)	One fixed value between 1k~10kHz	One fixed value between 1k~3kHz
Power stability (rms)	<1%, <2%	
M ²	<1.5	<2
Pointing stability (urad, std)	<20	
Beam divergence, full angle (mrad)	<3	
Beam diameter (mm)	~1	
Beam height from base plate (mm)	76.5	85
Warm-up time (minutes)	<15	
Cooled method	Conduction (EO-1064-H-I)	Air cooled (EO-1064-H-II)
Operating temperature (°C)	-20~55	
Power supply (DC 24V)	PSU-EO-H	
Expected lifetime (hours)	10000	
Warranty period	1 year	
Options	Higher energy can be customized; Higher frequency can be customized	



EO-1064-H-I

Laser head	LD	Power supply
<p>164(L)×124(W)×115(H)mm³ 4.4kg Heat dissipation is offered by customer (>70W)</p>	<p>134(L)×84(W)×85.3(H)mm³ 2.1kg Heat dissipation is offered by customer (>70W)</p>	<p>250(L)×200(W)×37(H)mm³, 1.4kg</p>

EO-1064-H- II		
Laser head	LD	Power supply
<p>200(L)×185(W)×123.5(H)mm³ 5.7kg</p>	<p>187(L)×120(W)×100(H)mm³ 2.6kg</p>	<p>250(L)×200(W)×37(H)mm³ , 1.4kg</p>
Power supply include:		
LD Driver	Control Board	
<p>114.5(L)×52(W)×28.9(H)mm³ 0.2kg</p>	<p>184(L)×120(W)×31.8(H)mm³ 0.7kg</p>	