

DPS-1064-E/1-8mJ

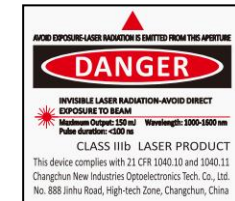
**HIGH ENERGY DIODE
PUMPED ALL-SOLID-STATE
Q-SWITCHED LASER**

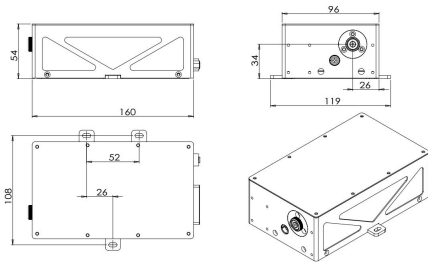
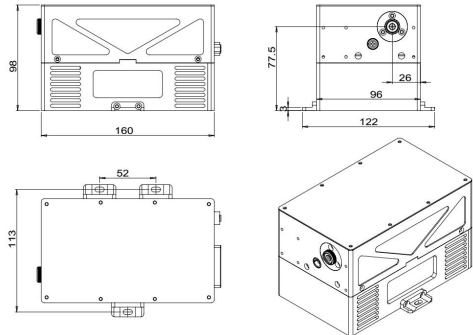
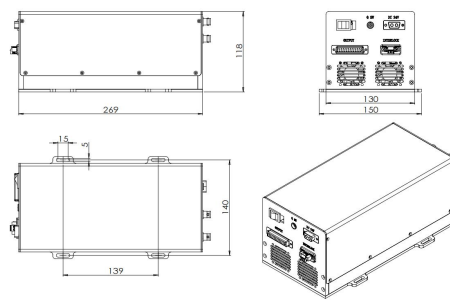
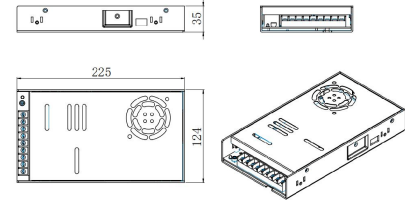
High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	1-8	
Pulse duration (ns)	<4	
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate ¹	1-50Hz (optional)	
Energy stability (std dev/mean)	<5%, <3%, <2%	
Beam divergence, full angle (mrad)	<3	
Beam diameter (mm)	~1	
Beam height from base plate (mm)	34	77.5
Warm-up time (minutes)	<15	
Cooled method	Conduction (DPS-1064-E-I)	Air cooled (DPS-1064-E-II)
Operating temperature (°C)	15-30	
Power supply (VDC)	PSU-DPS-E (24V/18.8 A)	
Expected lifetime (pulses)	10 ⁹	
Available options	Attenuator	



LASER HEAD (DPS-1064-E-I) ²	LASER HEAD (DPS-1064-E-II)	DRIVER	POWER SUPPLY (110/220VAC) optional
 160(L)×122(W)×54 (H)mm³, 2.5kg	 160(L)×122(W)×98 (H)mm³, 3.5kg	 269(L) ×150(W) ×118(H) mm³, 4 kg	 225(L) ×134(W) ×35(H) mm³, 0.85 kg

1 One fixed value between 1-50Hz.

2 The laser head needs to be used on a heat sink with ~80W heat dissipation.

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