

DPS-1064-A/1-10mJ

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

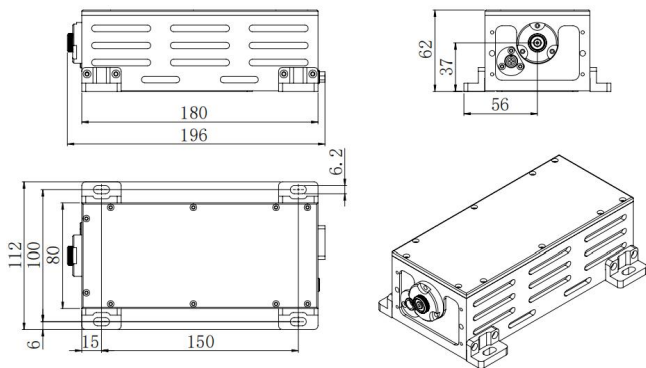
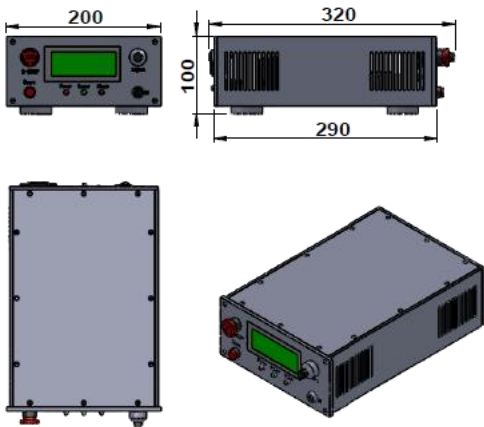
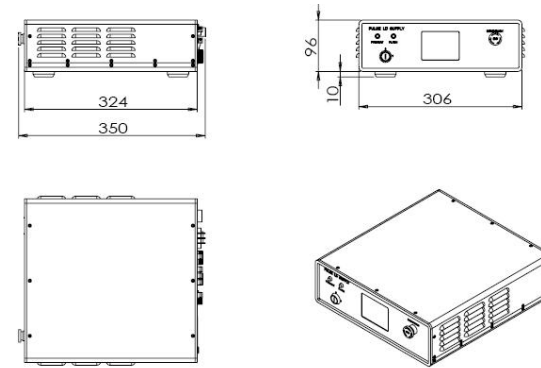
High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.

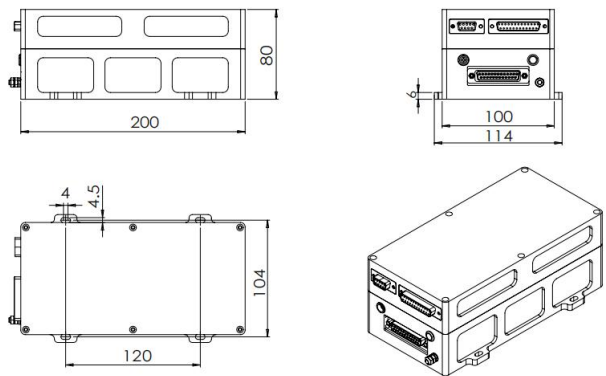
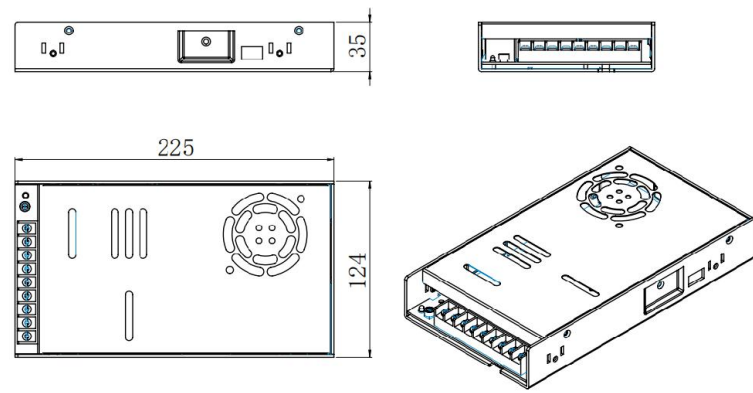


SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Actively	
Single pulse energy (mJ)	1-5	5-10
Pulse duration (ns)	<10	
Jitter (ns, sdev)	<1ns (Int.)	
Rep. rate ¹	1-10Hz (adjustable)	
Energy stability (std dev/mean)	<5%, <3%, <2%	<3%, <2%, (<1% optional)
Beam divergence, full angle (mrad)	<3	
Beam diameter (mm)	~2.5	~3
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	37	
Cooled method	Conduction cooled	
Operating temperature (°C)	15-30	
Power supply (110/220VAC)	PSU-DPS-A-I/PSU-DPS-A-II/PSU-DPS-A-OEM	
Expected lifetime (pulses)	10 ⁹	
Available options	Battery powered; Attenuator;	



LASER HEAD	POWER SUPPLY (PSU-DPS-A-I) ²	POWER SUPPLY (PSU-DPS-A-II) ³
 196(L)×112(W)×62(H) mm³, 1.5kg	 320(L)×200(W)×100(H) mm³, 4 kg	 350(L)×306(W)×106(H) mm³, 6kg

DRIVER (PSU-DPS-A-OEM) ⁴	POWER SUPPLY (110/220VAC) optional
 200(L)×114(W)×80(H) mm³, 1.6kg	 225(L) ×134(W) ×35(H) mm³, 0.85 kg

1 Both internal trigger and external trigger are acceptable.

2 110V/220VAC, Rep. Rate and current can be adjusted by adjustable knob.

3 110V/220VAC, Rep. Rate and current can be adjusted by touch screen.RS232 control optional. Discharge number optional.

4 24VDC/18.8 A, RS232 control optional.