

DPS-1064-J/1~40mJ

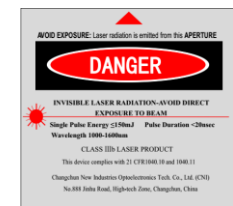
**HIGH ENERGY DIODE  
PUMPED ALL-SOLID-STATE  
Q-SWITCHED LASER**

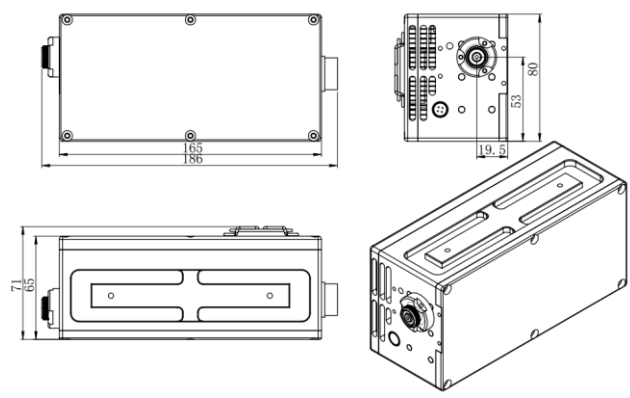
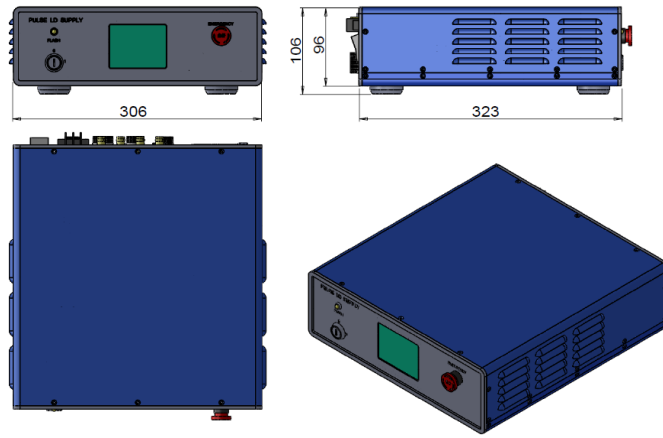
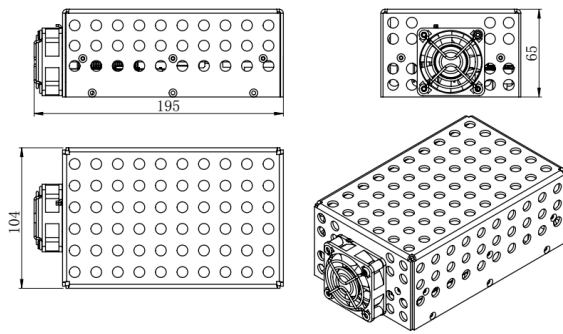
High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in laser ranging, LIBS, LIF, ICP-MS, LCD repair, scientific research, military, and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Q-switched: EOM (Electro-optic modulation)
Single pulse energy (mJ)	40
Pulse duration (ns)	~10
Rep. rate (Hz)	1~20, EXT (adjustable)
Energy stability (rms)	<3%
Beam divergence, full angle (mrad)	<3
Beam diameter (mm)	~4
Warm-up time (minutes)	<15
Beam height from base plate (mm)	53
Cooled method	Air cooled
Operating temperature (°C)	-30~60
Power supply (220V AC/24V DC)	PSU-DPS-J
Expected lifetime (pulses)	10 <sup>9</sup>
Warranty period	1 year
Available Options	Higher single pulse energy: up to 80mJ



DPS-1064-J	PSU-DPS-J (220V AC)	PSU-DPS-J (OEM, 24V)
 <p>186 (L)×71 (W)×80 (H) mm<sup>3</sup>, 4 kg</p>	 <p>323 (L) ×306 (W) ×106 (H) mm<sup>3</sup>, 14 kg Rep. Rate and Current can be adjusted by touch screen</p>	 <p>195 (L)×104(W)×65(H) mm<sup>3</sup>, 4 kg</p>