

DPS-532-Q/2~20mJ

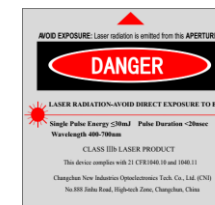
**HIGH ENERGY DIODE PUMPED  
ALL-SOLID-STATE  
Q-SWITCHED LASER**

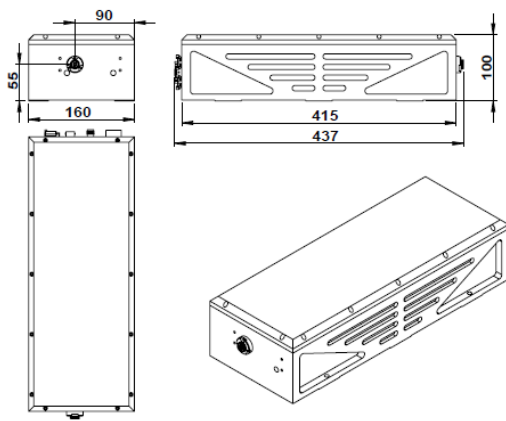
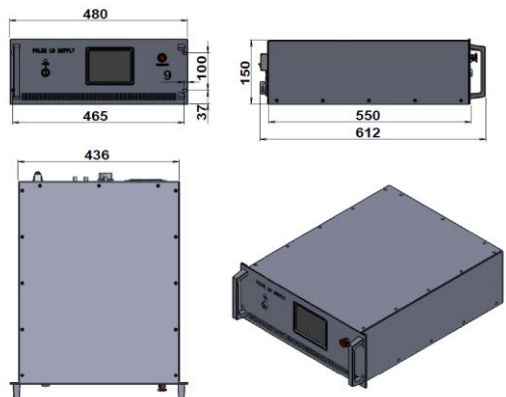
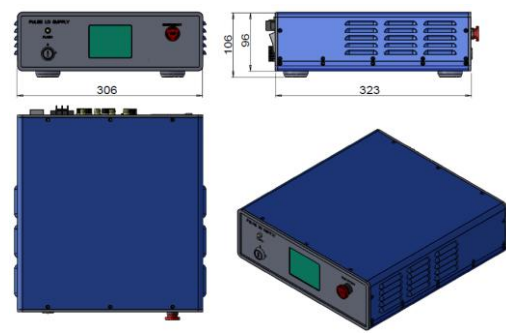
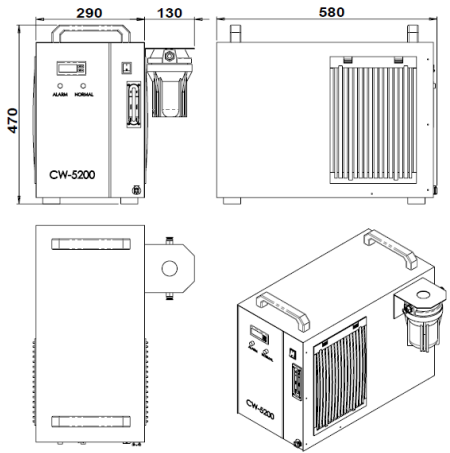
High energy diode pumped all solid state Q-switched laser at 532nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in PIV, LIF, LIBS, ICP-MS scientific research, laser processing, military, and so on.



SPECIFICATIONS

Wavelength (nm)	532±1				
Operating mode	Q-switched: EOM (Electro-optic modulation)				
Single pulse energy (mJ)	2	5	10	15	20
Pulse duration (ns)	<12	<12	<12	<10	<10
Rep. rate (Hz)	1000	1~100 (adjustable)			
Energy stability	<3%, <5%				
Beam divergence, full angle (mrad)	~2				
Beam diameter (mm)	~1.5	~2	~2.5	~3	~4
Warm-up time (minutes)	<15				
Beam height from base plate (mm)	55				
Cooled method	Water Cooled				
Operating temperature (°C)	15~35				
Power supply (220/110VAC)	PSU-DPS-Q-II(3U) @ 1KHz, PSU-DPS-Q-I @ 100Hz				
Expected lifetime (pulses)	10 <sup>9</sup>				
Warranty period	1 year				
Available options	Other repetition rates: 100~1000Hz; Jitter: ~1ns(Sdev); Accessories				



DPS-532-Q	PSU-DPS-Q-II (3U)	PSU-DPS-Q-I	WCH-1500
 <p>415 (L) × 160 (W) × 100 (H) mm<sup>3</sup>, 7.5 kg</p>	 <p>612 (L) × 480 (W) × 150 (H) mm<sup>3</sup>, 15 kg Rep. Rate and Current can be adjusted by touch screen</p>	 <p>323 (L) × 306 (W) × 106 (H) mm<sup>3</sup>, 4 kg Rep. Rate and Current can be adjusted by touch screen</p>	 <p>580 (L) × 290 (W) × 470 (H) mm<sup>3</sup>, 24 kg</p>