

DPS-532-Q/1-20mJ

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, and so on.

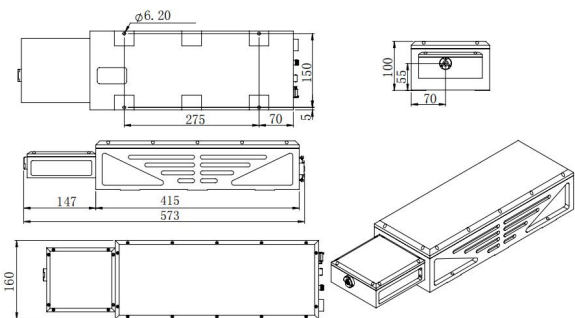
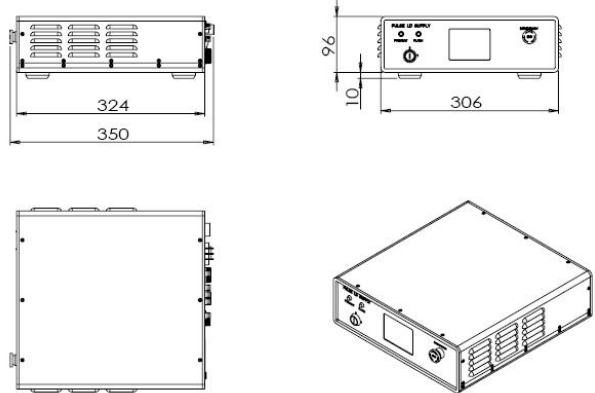
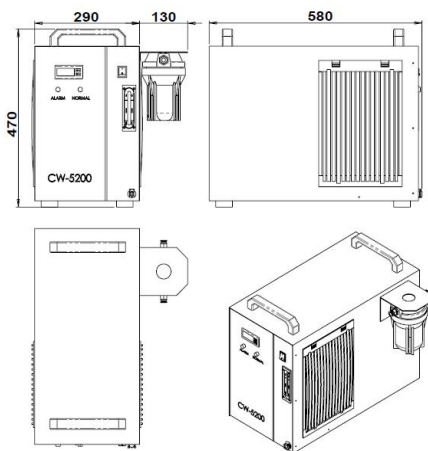


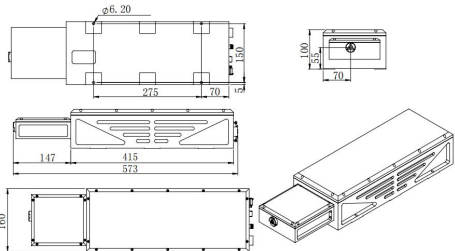
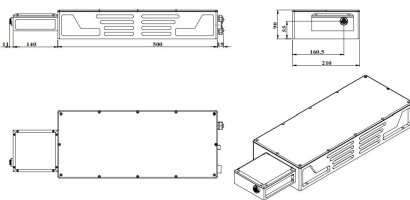
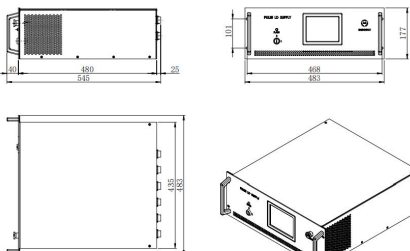
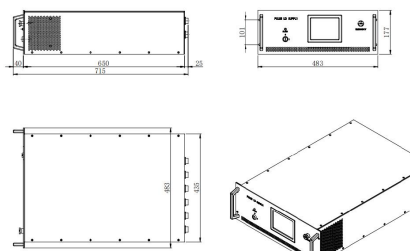
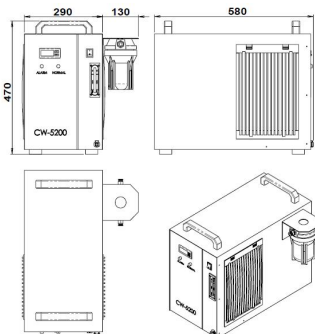
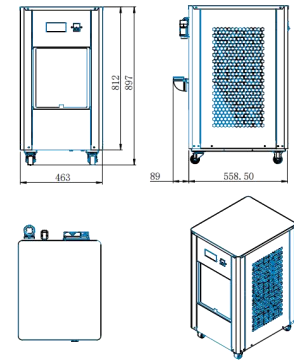
SPECIFICATIONS

	DPS-532-Q-I				DPS-532-Q-II	
Wavelength (nm)	532±1					
Operating mode	Actively					
Single pulse energy (mJ)	1-5	5-10	10-15	15-20	1-2	2-5
Pulse duration (ns)	<12	<12	<12	<10	<10	
Jitter (ns, sdev)	<1ns (Int.)					
Rep. rate ¹	1-100Hz (adjustable)				1-1000Hz (adjustable)	
Energy stability (std dev/mean)	<5%, <3%					
Beam divergence, full angle (mrad)	<2					
Beam diameter (mm)	~2	~2.5	~3	~4	~2	
Warm-up time (minutes)	<15					
Beam height from base plate (mm)	55					
Cooled method	Water cooled					
Operating temperature (°C)	15-35					
Power supply (110/220VAC)	PSU-DPS-Q-I/PSU-DPS-Q-II/PSU-DPS-Q-III					
Expected lifetime (pulses)	10 ⁹					
Available options	Attenuator;					



DPS-532-Q-I

LASER HEAD (DPS-532-Q-I)	POWER SUPPLY (PSU-DPS-Q-I)	WATER CHILLER (WCH-1500)
 573 (L) × 160(W) × 100(H) mm³, 8 kg	 350(L) × 306(W) × 106(H) mm³, 6kg	 580(L) × 290(W) × 470(H) mm³, 24 kg

DPS-532-Q-II			
LASER HEAD (DPS-532-Q-II) ²	LASER HEAD (DPS-532-Q) ³	POWER SUPPLY (PSU-DPS-Q-II) ⁴	POWER SUPPLY (PSU-DPS-Q-III) ⁵
 573 (L) × 160(W) × 100(H) mm³, 8 kg	 655(L) × 210(W) × 90(H) mm³, 12kg	 545 (L) × 483(W) × 177(H) mm³, 28 kg	 715(L) × 483(W) × 177(H) mm³, 30 kg
WATER CHILLER (WCH-1500) ⁶		WATER CHILLER (WCH-2700) ⁷	
 580(L) × 290(W) × 470(H) mm³, 24 kg		 463 (L) × 647.5(W) × 897(H) mm³, 55kg	

1 Both internal trigger and external trigger are acceptable.

2 For 1-2mJ@1kHz.

3 For 2-5mJ@1kHz.

4 For 1-2mJ@1kHz.

5 For 2-5mJ@1kHz.

6 For 1-2mJ@1kHz.

7 For 2-5mJ@1kHz.