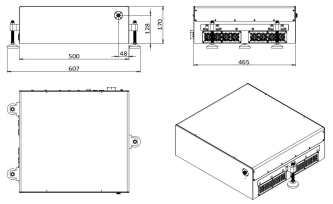
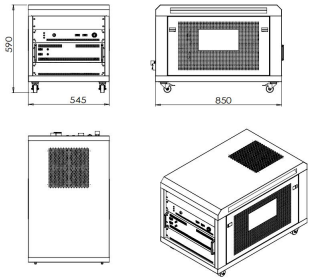
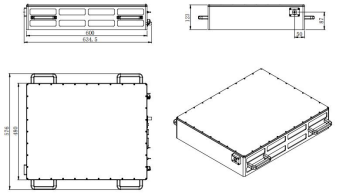
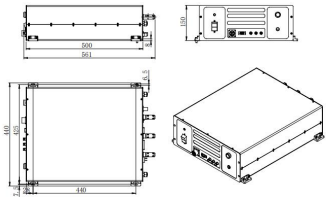
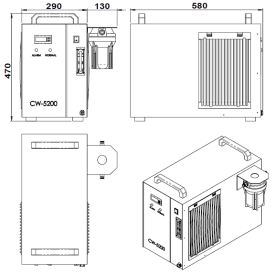
DPS-532-Pico/2-10W

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 short pulse duration, high repetition rate and high average power, which is widely used in industrial processing, physics experiment, scientific research, and so on.

SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Pulsed	
Average power (W)[1]	2-10	
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%	
Pulse width (ps)	<50	50-1000[2]
M^2 factor	<1.5	
Beam diameter (mm)	~2	
Rep. rate[3]	100kHz-10MHz (adjustable)	
Beam height from base plate (mm)	128 (DPS-532-Pico-I); 87 (DPS-532-Pico-II)	
Cooled method	Air cooled (DPS-532-Pico-I); Water cooled (DPS-532-Pico-II)	
Warm-up time (minutes)	<15	
Operating temperature (°C)	15-30	
Power supply (110/220VAC)	PSU-DPS-Pico	
Expected lifetime (hours)	>10000	

LASER HEAD (DPS-532-Pico-I)[4]	POWER SUPPLY (PSU-DPS-Pico-I)	LASER HEAD (DPS-532-Pico-II)[5]	POWER SUPPLY (PSU-DPS-Pico-II)	WATER CHILLER (WCH-1500)
				
465(L)×500(W) ×170(H) mm³, 65kg	**850(L)×545(W) ×590(H) mm³, 85kg**	**634.5(L)×576(W) ×123(H) mm³, 45kg**	**561(L)×440(W) ×150(H) mm³, 20kg**	**580(L) ×290(W) ×470(H) mm³, 24 kg**

1 Any power level can be selected in this range; The output power was measured at 10MHz, and the power varies with different frequency.

2 One fixed value between 50-1000ps.

3 Rep.rate can be customized.

4 DPS-532-Pico-I for scientific research users.

5 DPS-532-Pico-II for industrial users.