

DPS-527-PIV/20mJ

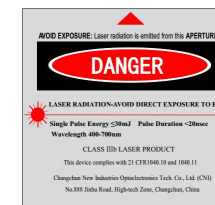
**HIGH ENERGY DIODE PUMPED
ALL-SOLID-STATE
Q-SWITCHED LASER**

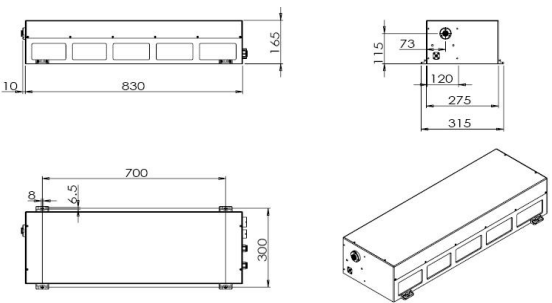
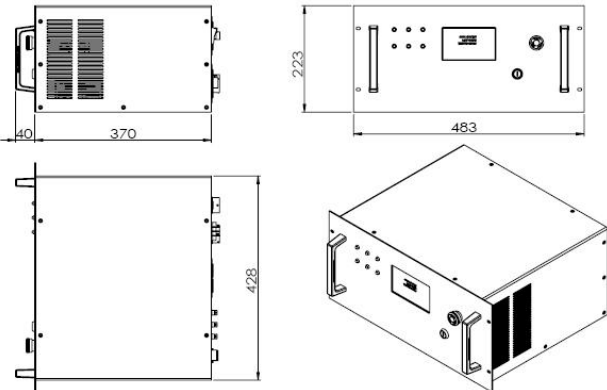
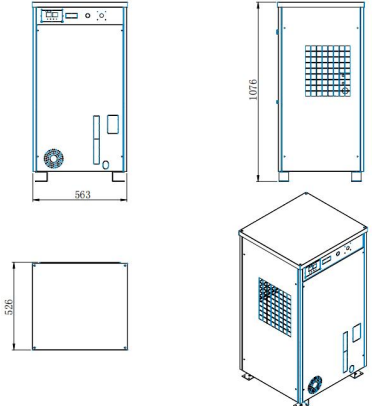
High energy diode pumped all solid state Q-switched laser at 527nm has the features of high single pulse energy, high output power, and high peak power, which is widely used in pumping Ti:Sapphire laser, semiconductor water surface processing, PIV, flow field lighting imaging, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	527±1
Operating mode	Q-switched
Single pulse energy (mJ)	20@1kHz@Single pulse
Output power (W)	20@1kHz@Single pulse
Pulse duration (ns)	~200@1kHz
Rep. rate (kHz)	One fixed value between 0.2~10
Mode	Multi-Mode
Power stability	<1%
Beam divergence, full angle (mrad)	~5
Beam diameter (mm)	~5
Beam pointing stability (urad)	50
Polarization	Linear
Delay between two pulses (us)	0~500 (can be customized)
Warm-up time (minutes)	<15
Beam height from base plate (mm)	95
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-DPS-PIV
Expected lifetime (hours)	10000
Available Options	Articulated arm; Laser light sheet



DPS-527-PIV	PSU-DPS-PIV	Water Chiller (WCH-5000)
 <p>840(L) × 315(W) × 165(H) mm³, 27kg</p>	 <p>410(L) × 483(W) × 223(H) mm³, 15kg Rep. Rate and Current can be adjusted by touch screen</p>	 <p>563(L) × 526(W) × 1076(H) mm³, 80kg</p>



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DATA SHEET