

DPS-1573-Q/5~8mJ

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

High energy diode pumped all solid state Q-switched laser at 1573nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in military, measurement, remote sensing, visualization, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	1573±1	
Operating mode	Q-switched: EOM (Electro-optic modulation)	
Single pulse energy (mJ)	5	8
Pulse duration (ns)	<10	
Rep. rate (Hz)	1~20 (adjustable)	
Energy stability	≤5%	
Beam divergence, full angle (mrad)	<8	
Beam diameter (mm)	~3	~4
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	55	
Cooled method	Water Cooled	
Operating temperature (°C)	15~30	
Power supply (220V AC)	PSU-DPS-Q-I(3U)	
Expected lifetime (pulses)	10 <sup>9</sup>	
Warranty period	1 year	
Available options	Jitter(Sdev):~1ns ( Electro-optic modulation); Accessories	



DPS-1573-Q	PSU-DPS-Q-I (3U)	Water Chiller
<p>437(L) × 160(W) × 100(H) mm<sup>3</sup>, 7.5 kg</p>	<p>Rep. Rate and Current can be adjusted by touch screen 323 (L) × 306(W) × 106(H) mm<sup>3</sup>, 4 kg</p>	<p>580(L) × 290(W) × 470(H) mm<sup>3</sup>, 24 kg</p>