

DPS-1064-Q/5~40mJ

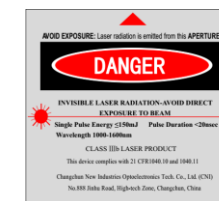
HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 1064nm 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)	1064±1				
Operating mode	Q-switched: EOM (Electro-optic modulation)				
Single pulse energy (mJ)	5	10	20	30	40
Pulse duration (ns)	<12	<12	<12	<10	<10
Rep. rate (Hz)	1000	1~100 (adjustable)			
Energy stability	<2%, <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 (pluses)	10 ⁹				
Warranty period	1 year				
Available options	Other repetition rates:100~1000Hz; Jitter:~1ns(Sdev); Accessories				



DPS-1064-Q	PSU-DPS-Q-II (3U)	PSU-DPS-Q-I	WCH-1500
<p>415 (L) × 160(W) × 100(H) mm³, 7.5 kg</p>	<p>612 (L) × 480(W) × 150(H) mm³, 15 kg Rep. Rate and Current can be adjusted by touch screen</p>	<p>323 (L) × 306(W) × 106(H) mm³, 4 kg Rep. Rate and Current can be adjusted by touch screen</p>	<p>580(L) × 290(W) × 470(H) mm³, 24 kg</p>