

DPS-1064-D/0.5~2mJ

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 LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1		
Operating mode	Q-switched; EOM (Electro-optic modulation)		
Single pulse energy (mJ)	0.5	1	2
Pulse duration (ns)	<10		
Rep. rate (Hz)	1~100 , EXT (adjustable)		
Energy stability (rms)	<3% , <5%		
Beam divergence, full angle (mrad)	<2		
Beam diameter (mm)	~2.5		
Warm-up time (minutes)	<15		
Beam height from base plate (mm)	45		
Cooled method	Air cooled		
Operating temperature (°C)	15~30		
Power supply (220V AC/24V DC)	PSU-DPS-D		
Expected lifetime (pulses)	10 ⁹		
Warranty period	1 year		
Available options	Jitter (Sdev):~1ns (Electro-optic modulation); Battery power supply		



DPS-1064-D	PSU-DPS-D-II (220V AC)	PSU-DPS-D-I (220V AC)	PSU-DPS-D (OEM, 24V)
<p>208(L)×80(W)×70(H) mm³, 2.5kg</p>	<p>323 (L) ×306(W) ×106(H) mm³, 6 kg Rep. Rate and Current can be adjusted by touch screen</p>	<p>320(L)×200(W)×100(H) mm³, 4kg</p>	<p>188(L)×80(W)×53.5(H) mm³, 1kg</p>