



DPS-532-A/1~5mJ

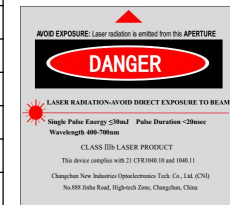
### HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 532nm has the features of 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)	532±1	
Operating mode	Q-switched:EOM(Electro-optic Modulation)	Q-switched: PM (Passive Modulation)
Single pulse energy (mJ)	5	
Pulse duration (ns)	<10	
Rep. rate (Hz)	1~10, EXT (adjustable)	
Energy stability (rms)	<5%, <3%	<5%
Beam divergence, full angle (mrad)	<3	
Beam diameter (mm)	~3	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	37	
Cooled method	Conduction cooled	
Operating temperature (°C)	15~30	
Power supply (220V AC/24V DC)	PSU-DPS-A	
Expected lifetime (pulses)	10 <sup>9</sup>	
Warranty period	1 year	
Available options	Jitter (Sdev):~1ns ( Electro-optic modulation ) ; Battery power supply	



DPS-532-A	PSU-DPS-A-II (220V)	PSU-DPS-A-I (220V)	PSU-DPS-A (OEM, 24V)
252(L)×112(W)×62(H)mm <sup>3</sup> , 2.5kg	323 (L) ×306(W) ×106(H) mm <sup>3</sup> , 6 kg Rep. Rate and Current can be adjusted by touch screen	320(L)×200(W)×100(H) mm <sup>3</sup> , 4 kg	188(L)×80(W)×53.5(H) mm <sup>3</sup> , 1kg