

LPS-S-1064/50~300mJ

SPECIFICATIONS

**HIGH ENERGY LAMP  
PUMPED SOLID STATE  
Q-SWITCHED LASER**

High energy lamp pumped 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 in PIV, LIF, LIBS, ICP-MS, Raman, scientific research, military ,and so on.



Wavelength (nm)	1064±1			
Operating mode	Q-switched: EOM (Electro-optic modulation)			
Single pulse energy (mJ)	50	100	200	300
Pulse duration (ns)	<10	<10	<8	<8
Rep. rate (Hz)	1~10 (adjustable)			
Energy stability	<3%			
Beam divergence, full angle (mrad)	~1	~1	~1	~3
Beam diameter (mm)	<6	<6	6	7
Warm-up time (minutes)	<15			
Beam height from base plate (mm)	75			
Cooled method	Water Cooled			
Operating temperature (°C)	15~35			
Power supply (220/110VAC)	PSU-LPS-S(3U)			
Expected lifetime (pulses)	10 <sup>7</sup> ~10 <sup>8</sup>			
Warranty period	1 year			
Available Options	SHG Module; Higher repetition rates: ≤20Hz; Jitter :~1ns (Sdev) ; Accessories			



LPS-S-1064	PSU-LPS-S (3U)	Water Chiller
<p>450(L) × 150(W) × 130(H) mm<sup>3</sup>, 14kg</p>	<p>480 (L) × 465(W) × 135(H) mm<sup>3</sup>, 15kg Rep. Rate and Voltage can be adjusted by touch screen</p>	<p>580(L) × 290(W) × 470(H) mm<sup>3</sup>, 24 kg</p>