

LPS-355-S/20~80mJ

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

High energy lamp pumped solid state Q-switched laser at 355nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, PIV, ICP-MS, LCD repair, scientific research, laser processing, and so on.



SPECIFICATIONS

Wavelength (nm)	355±1		
Operating mode	Q-switched: EOM (Electro-optic modulation)		
Single pulse energy (mJ)	20	50	80
Pulse duration (ns)	<10		
Rep. rate (Hz)	1~10 (adjustable)		
Energy stability	<3%, <5%		
Warm-up time (minutes)	<15		
Beam divergence, full angle (mrad)	<3		
Beam diameter (mm)	~7		
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>8</sup>		
Warranty period	1 year		
Available Options	Higher repetition rates: ≤20Hz; Jitter : ~1ns (Sdev); Accessories		



LPS-355-S	PSU-LPS-S (3U)	Water Chiller
<p>650 (L) ×150 (W) ×130 (H) mm<sup>3</sup>, 15kg</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>