

RP-D-xxx-A Series

Electro-optic Q-switched laser



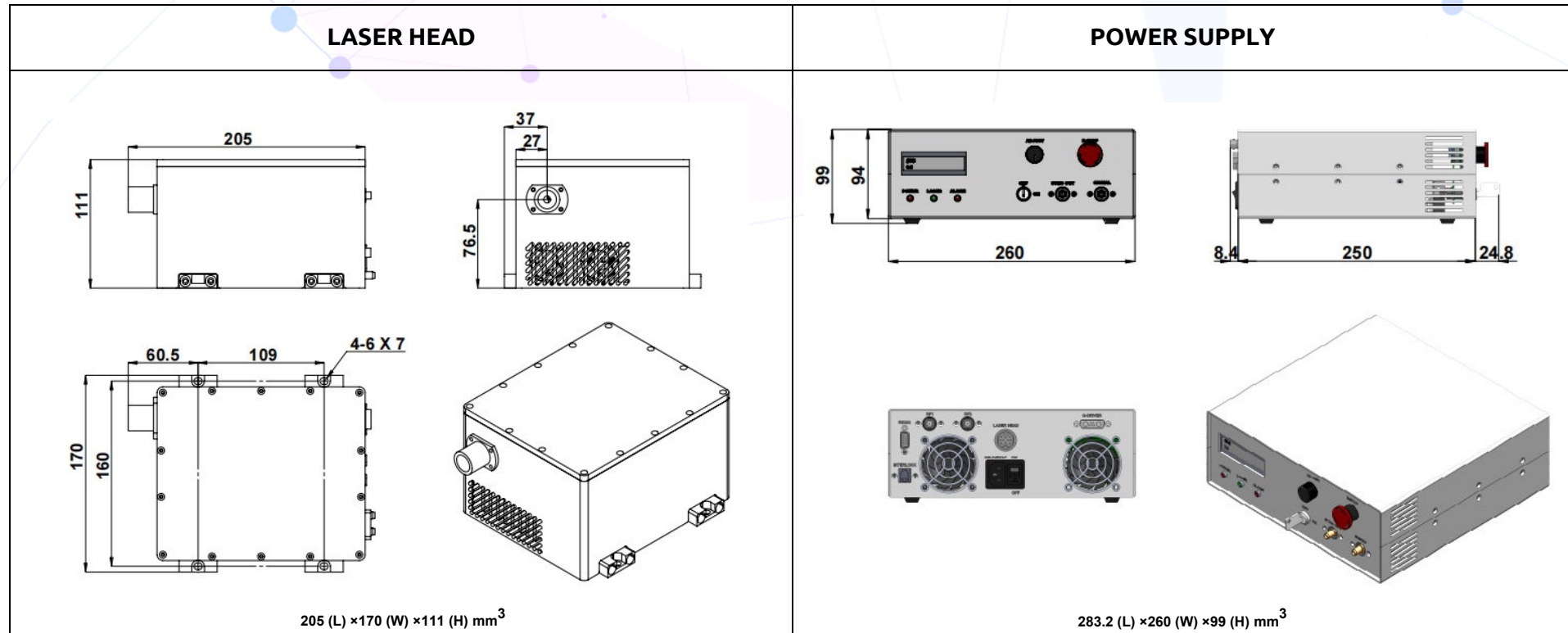
Product Details | RP-D-xxx-A Series

LD PUMPED ALL-SOLID-STATE ELECTRO-OPTIC Q-SWITCHED LASER



Wavelength (nm)	532±1	1064±1
Operating mode	Electro-optics Q-switched	
Rep. rate (kHz)	0.01-1	
Max average power (mW)(1)	1-50	1-100
Single pulse energy (μJ)	1-50	1-100
Pulse duration (ns)	~5	
Jitter(ns)	<1	
Peak power(kW)	0.2-10	0.2-20
Power Stability (rms,over 4 hours)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
M² factor	<1.5	
Beam Diameter at the aperture 1/e² (mm)	~1.5	
Warm-up Time (minutes)	<10	
Beam height from base plate (mm)	76.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	QDI-RPZ-A	
Expected lifetime (hours)	10000	
Warranty	1 year	

All solid-state electro-optic Q-switched lasers possess high single pulse energy, short pulse duration, and high peak power. These characteristics make them widely used in applications such as laser distance measurement, laser radar, laser Raman spectroscopy, inductively coupled plasma mass spectrometry (ICP-MS), laser-induced breakdown spectroscopy (LIBS), and various areas of scientific research.



Note:

Specifications subject to change without notice.

- (1) Average power (mW) = Single pulse energy (μJ) × Rep. rate (kHz)
- (2) Jitter (ns): from external trigger input