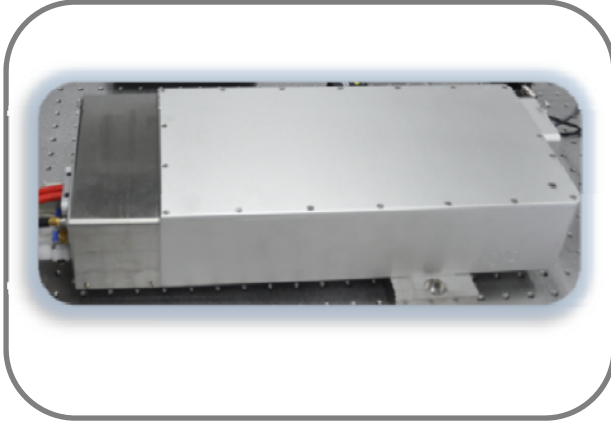




HIGH ENERGY DPSS Q-SWITCHED UV LASER

KYO™



Overview

The Enlight KYO lasers provides a cutting-edge and reliable light source for demanding applications where micro beam spot, precise and quality material processing, and high throughput are critical.

KYO lasers are deliberately designed to provide excellent performance and high reliability. With high peak power and short pulse width, KYO lasers enable minimal thermal damage for best quality material processing and the highest possible throughput.

Incorporating Enlight's reliable and cutting-edge DPSS laser cavity technologies along with precise and active controlling design, KYO lasers are characterized by excellent TEM₀₀ beam quality, stable power and long lifetime. They are built for 24/7 industrial applications for lower ownership cost and higher uptime.

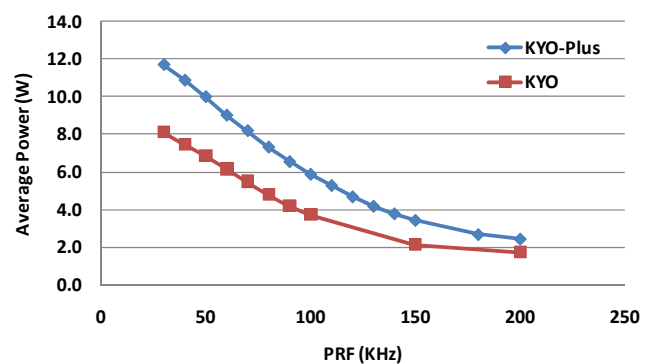
Features

- High Peak power and short pulse width for minimized thermal damage
- High power UV output for fast throughput
- Long lifetime ensures lower cost of ownership and high uptime
- THG crystal shifter for stable power and long life
- Advanced and precise controlling design for higher reliability
- Active Laser CleanCycle System for enduring laser health and extended lifetime

Applications

- Via hole drilling
- LED laser scribing and lift-off
- Precision laser marking
- Wager scribing isolation
- Laser glass cutting

Average Power vs. PRF





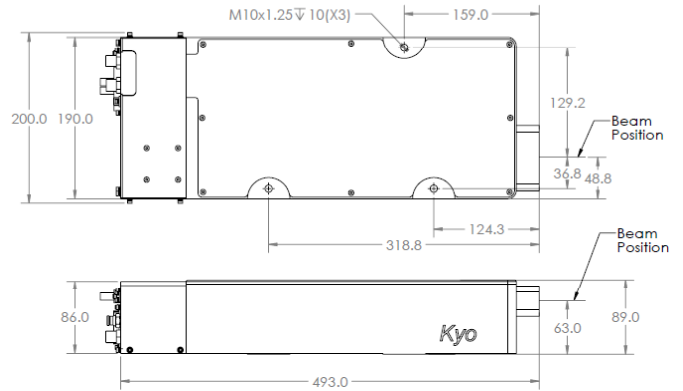
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Specifications

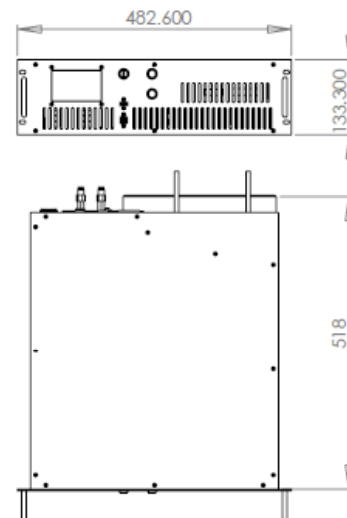
Characteristics	KYO	KYO-Plus
Wavelength	355nm	
Repetition Rate	30-200 KHz	30-250 KHz
Output Power	>5W@70KHz >8W@30KHz	>7.5W@70KHz >10W@30KHz
Pulse Width	30-60ns@70KHz 15-35ns@30KHz	20-50ns@70KHz 10-25ns@30KHz
Spatial Mode	TEM ₀₀	
M ²	<1.3	
Polarization	Linear	Linear
PER	>100:1	>100:1
Beam Roundness	>90%	
Warm-up Time (from cold start)	<30 min	
Operating Temp. Range	18 to 35°C	
Operating Humidity	5-80%, non-condensing	
Non-operating Temp. Range	0-50°C	
Non-operating Humidity	8-95%, non-condensing	

Laser Head Dimensions



Dimensions are in mm

Power Supply Dimensions



Dimensions are in mm

Enlight Tech

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