Product Specifications

Product Name	Infrared Picosecond Laser
Model	BGL-1064-10B



10W Series IR Picosecond Laser BGL-1064-10B

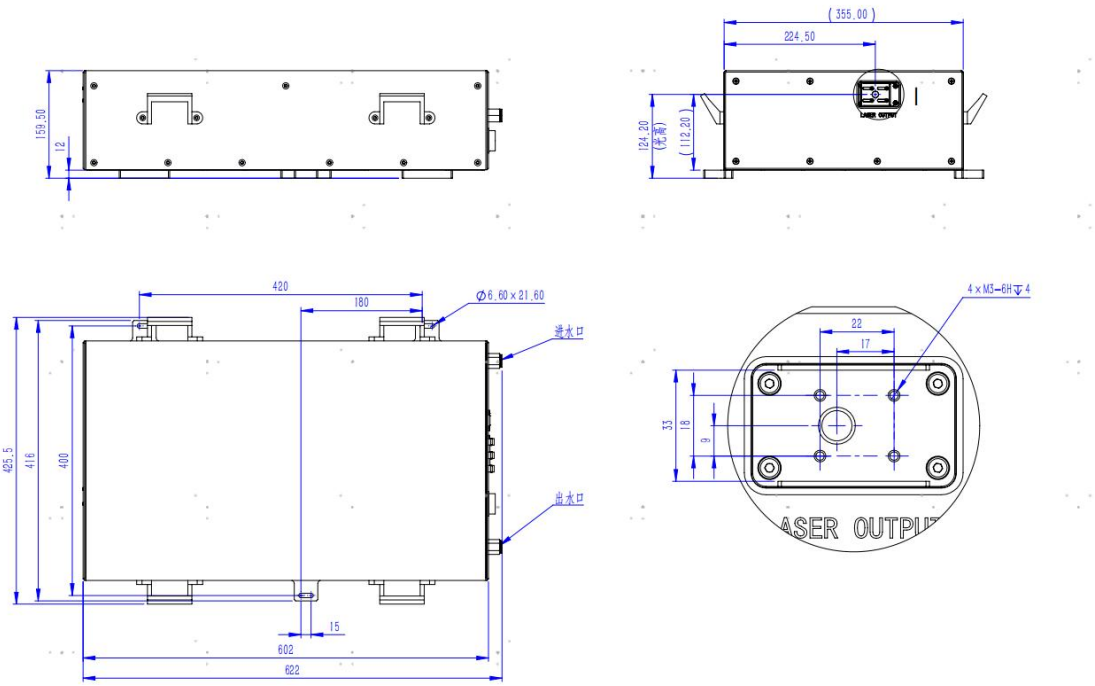
1. Specifications

Model	BGL-1064-10B
Wavelength	1064nm
Base repetition rate	100kHz
Pulse repetition rate	1kHz – 1MHz
Pulse Width	<15ps
Average Power	>10W@100kHz
Maximum Pulse Energy	>100uJ@100kHz
Average Power Stability	<1.0% rms over 8hours
Pulse-to-Pulse instability	<1.5% rms
Burst Mode	2-10 pulse selectable
Beam Quality	M^2 < 1.4
Beam Divergence	< 2.5mrad (Full Angle)
$1/e^2$ Beam Diameter	2.5± 0.5 mm(@output windows 50cm)
Beam Roundness	>93%
Polarization Direction	Horizontal
Polarization Ratio	>100:1
Pointing stability	<50urad
Cooling	Water-cooling (25℃)
Ambient Temperature	20 – 30℃
Relative humidity	10%-80% (non-condensing)
Warm-up Time	<20 min
Operating Voltage	110 – 260V/AC
Laser head weight	<43kg
Rated power	<400VA

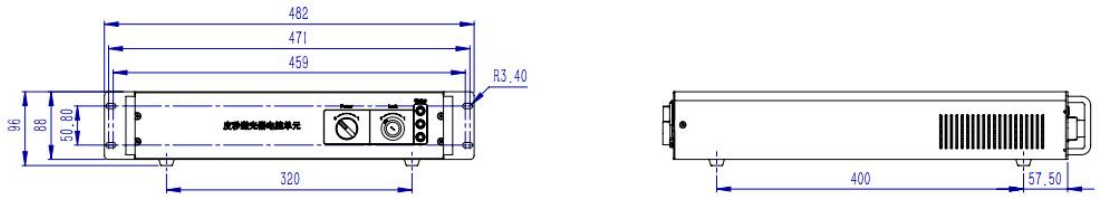
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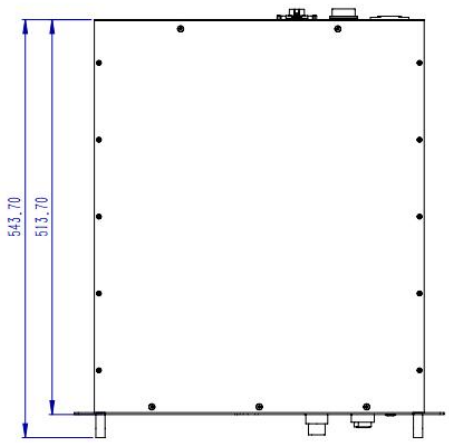
2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)





3. Typical Performance Data

