Product Specifications

Product Name	Infrared Picosecond Laser
Model	Topaz 1064-50S



50W Series IR Picosecond Laser Topaz 1064-50S

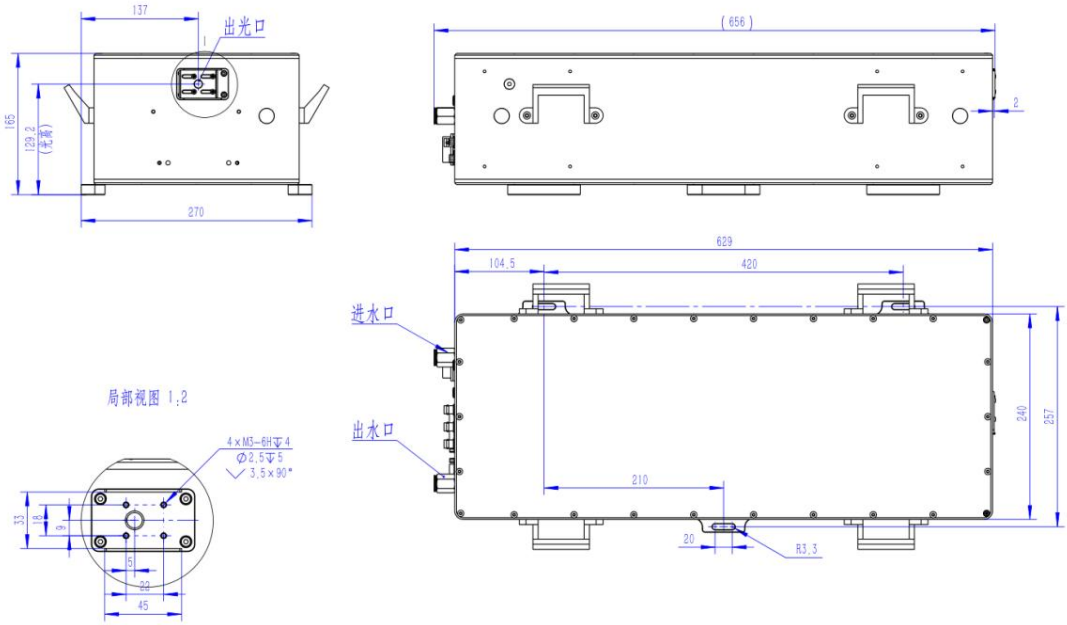
1. Specifications

Model	Topaz 1064-50S
Wavelength	1064nm
Base repetition rate	100kHz
Pulse repetition rate	1kHz – 1MHz
Pulse Width	<15ps
Average Power	>43W@100kHz B4 >35W@50kHz B4
Maximum Pulse Energy	>430uJ@100kHz B4 > 700uJ@50kHz B4
Average Power Stability	<1.0% rms over 8hours
Pulse-to-Pulse instability	<1.5% rms
Burst Mode	4-10 pulse selectable
Beam Quality	M^2 < 1.4
Beam Divergence	<2mrad (Full Angle)
$1/e^2$ Beam Diameter	2.5± 0.5 mm(@output windows 50cm)
Polarization Direction	Horizontal
Polarization Ratio	>100:1
Beam Roundness	>93%
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	<35kg
Rated power	<1000VA

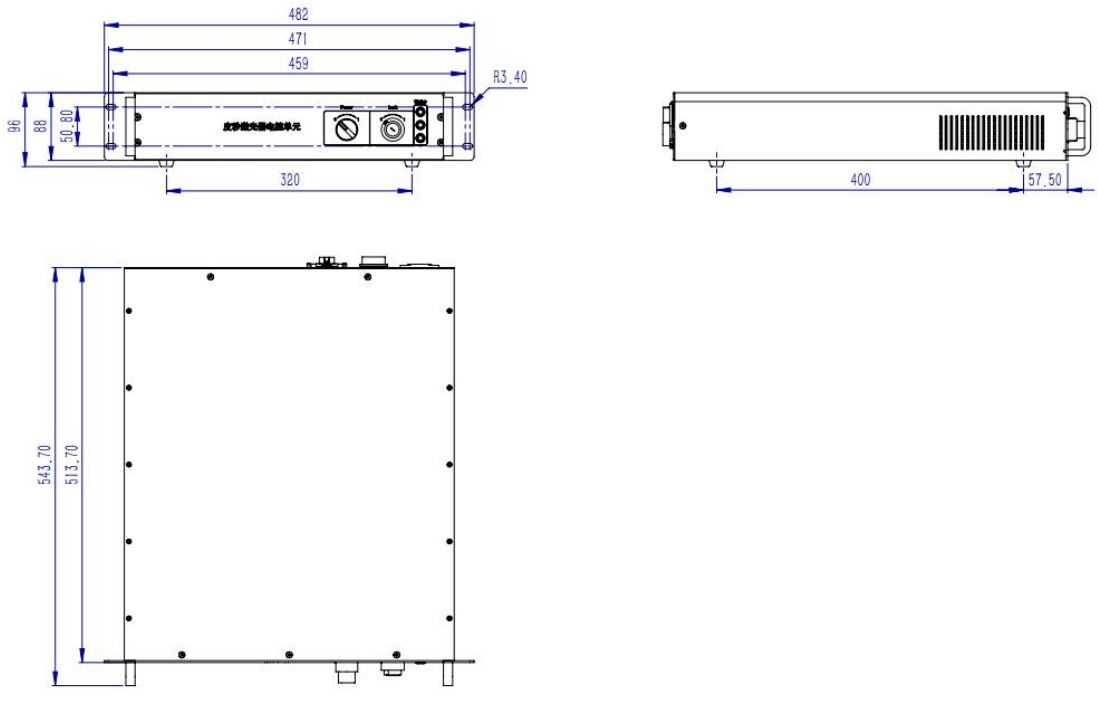
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2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)



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3. Typical Performance Data

