Product Specifications

Product Name	Green Picosecond Laser
Model	Topaz 532-80S(100) Topaz 532-100S



80-100W Series GR Picosecond Laser Topaz 532-80S/100/100S

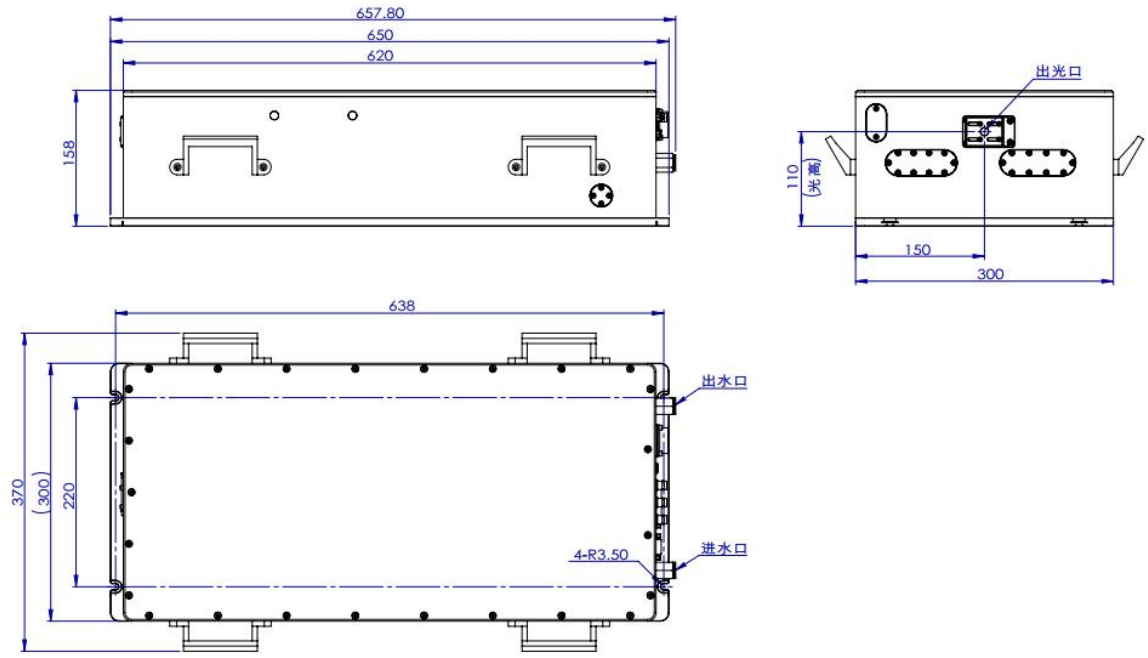
1. Specifications

Model	Topaz 532-80S(100)	Topaz 532-100S
Wavelength	532nm	
Base repetition rate	800kHz	600kHz
Pulse repetition rate	1kHz – 1MHz	
Pulse Width	<15ps	
Average Power	>80W@800kHz	>100W@600kHz
Maximum Pulse Energy	> 100uJ@800kHz	> 160uJ@600kHz
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 < 1.2	
Beam Divergence	≤2mrad (Full Angle)	
$1/e^2$ Beam Diameter	2.5± 0.5 mm(@output windows 50cm)	
Polarization Direction	Vertical	
Polarization Ratio	>100:1	
Beam Roundness	>93%	
Pointing stability	<50urad	
Cooling	Water-cooling (22℃)	
Ambient Temperature	20 – 30℃	
Relative humidity	10%-80% (non-condensing)	
Warm-up Time	<20 min	
Operating Voltage	110 – 260V/AC	
Laser head weight	<60kg	
Rated power	<1500VA	

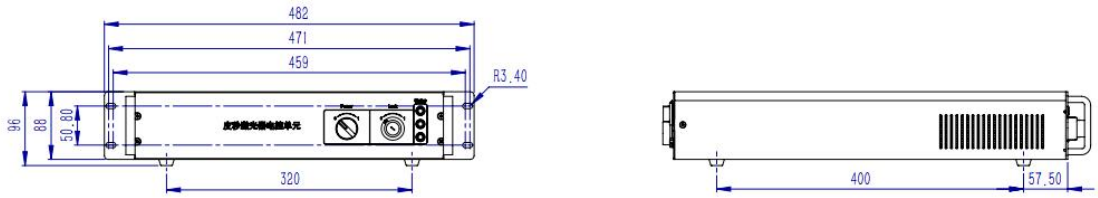
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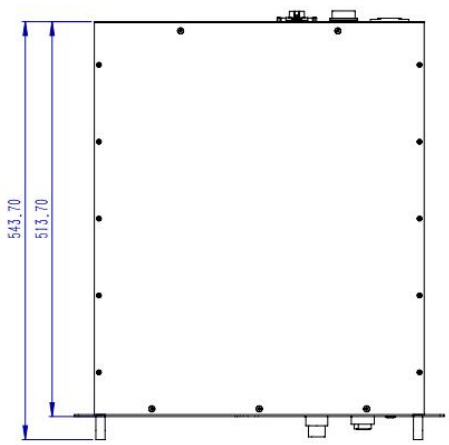
2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)





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3. Typical Performance Data

