Product Specifications

Product Name	UV Picosecond Laser
Model	Topaz-P8-U80



80W Series UV Picosecond Laser Topaz-P8-U80

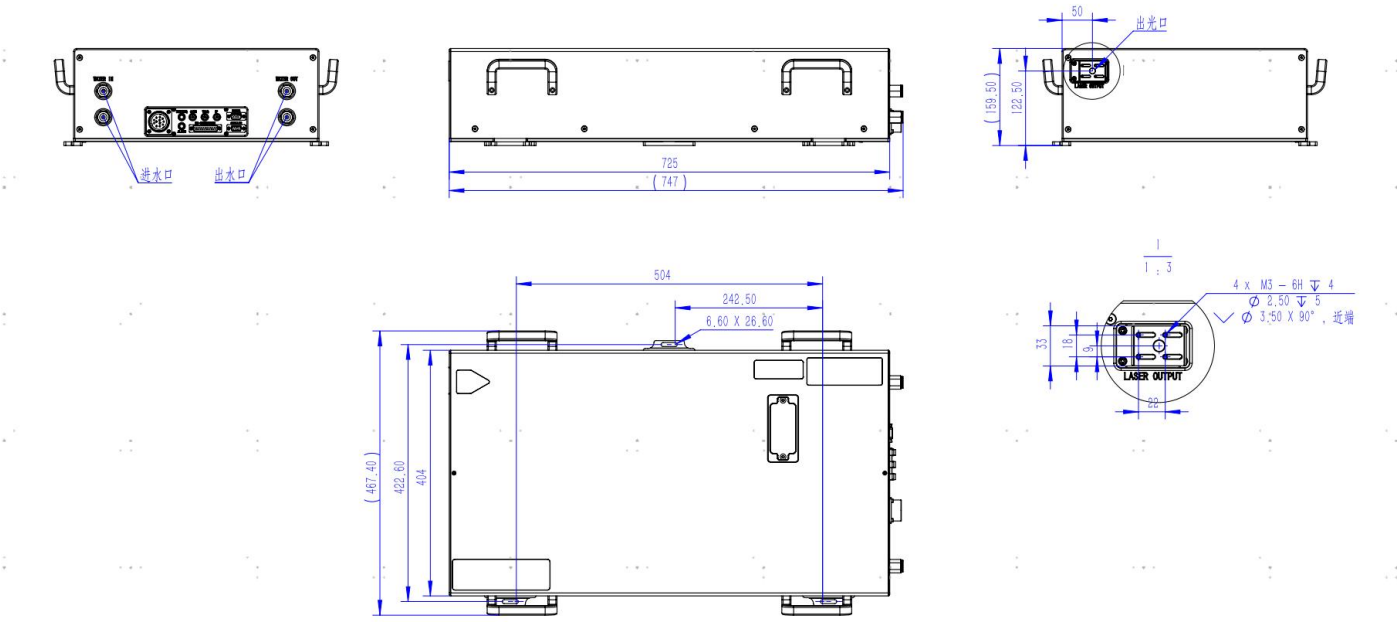
1. Specifications

Model	Topaz-P8-U80
Wavelength	355nm
Base repetition rate	800kHz
Pulse repetition rate	1kHz – 2MHz
Pulse Width	<13ps
Average Power	> 80W@800kHz
Maximum Pulse Energy	>100uJ@800kHz
Average Power Stability	<1% 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	2.4± 0.3 mm(@output windows 50cm)
Beam Roundness	>93%
Pointing stability	<50urad
Polarization Direction	Horizontal
Polarization Ratio	>100:1
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	<65kg
Rated power	<2500W

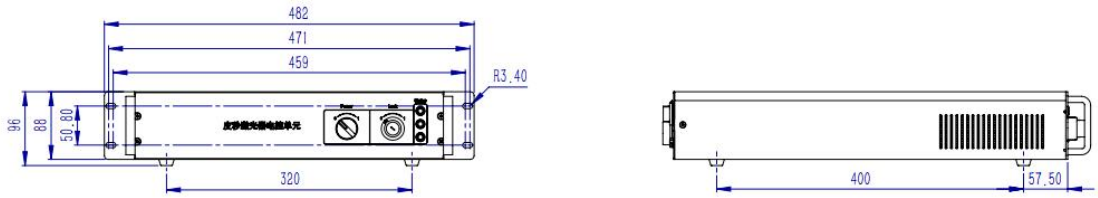
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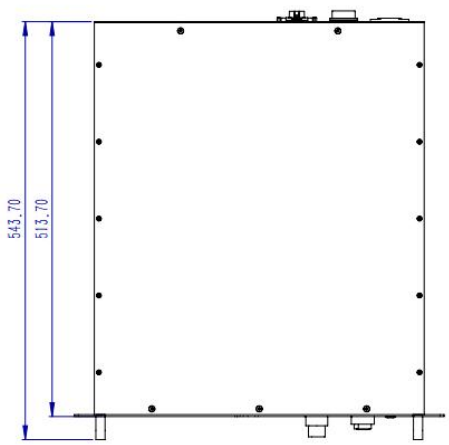
2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)





3. Typical Performance Data

