Product Specifications

Product Name	Green Picosecond Laser
Model	Topaz-P8-G120



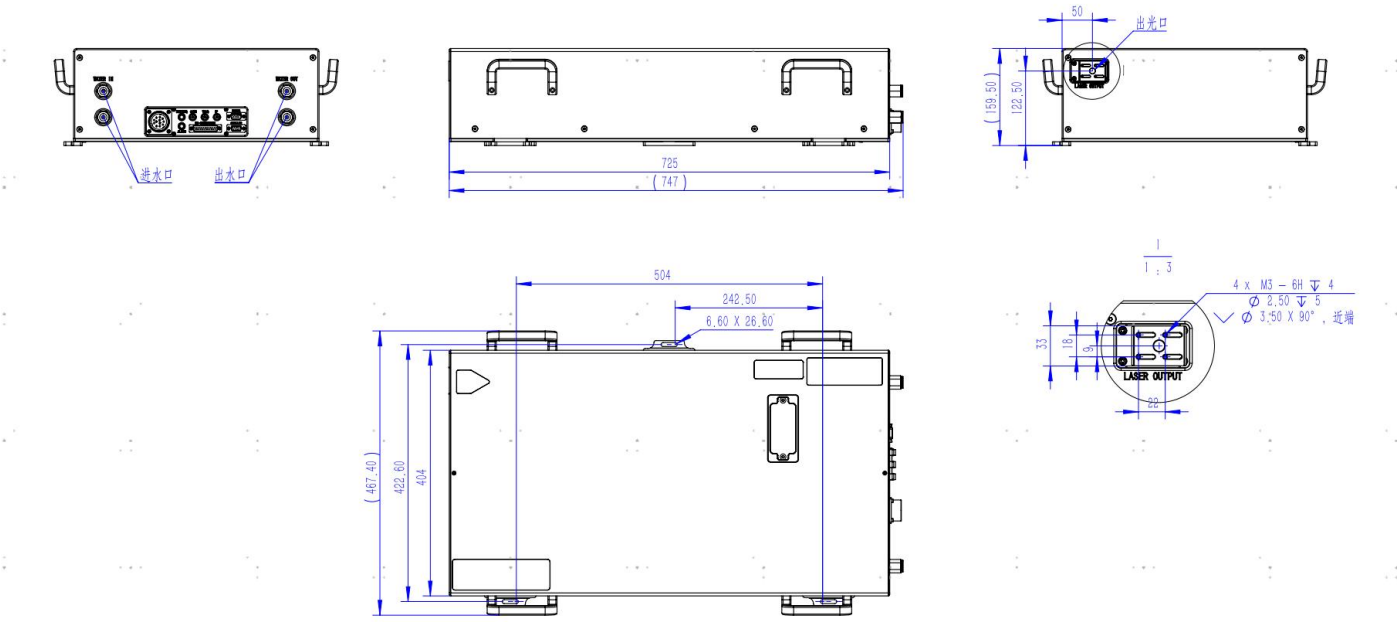
120W Series GR Picosecond Laser Topaz-P8-G120

1. Specifications

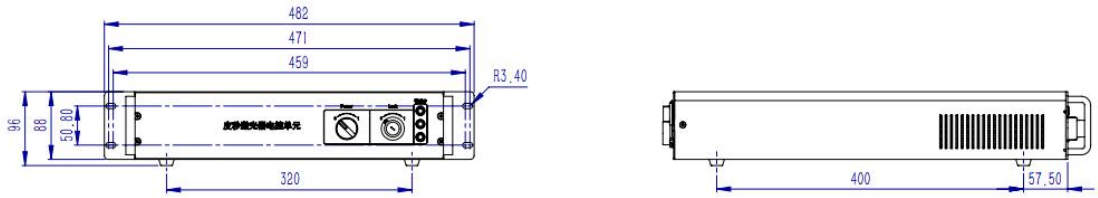
Model	Topaz-P8-G120
Wavelength	532nm
Base repetition rate	600kHz
Pulse repetition rate	1kHz – 2MHz
Pulse Width	<13ps
Average Power	> 120W@600kHz
Maximum Pulse Energy	> 200uJ@600kHz
Average Power Stability	<1% rms over 8hours
Pulse-to-Pulse instability	<1.5% rms
Burst Mode	2-10 pulse selectable
Beam Quality	M^2 < 1.2
Beam Divergence	≤2mrad (Full Angle)
$1/e^2$ Beam Diameter	2.5± 0.5 mm(@output windows 50cm)
Beam Roundness	>93%
Pointing stability	<50urad
Polarization Direction	Vertical
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

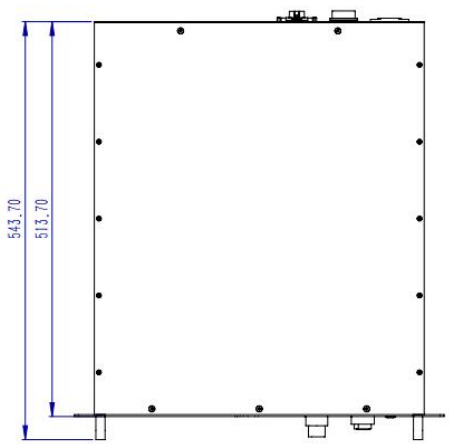
2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)





3. Typical Performance Data

