Product Specifications

Product Name	Infrared Picosecond Laser
Model	Topaz 1064-80 Topaz 1064-80X2.0 Topaz 1064-80X2.5



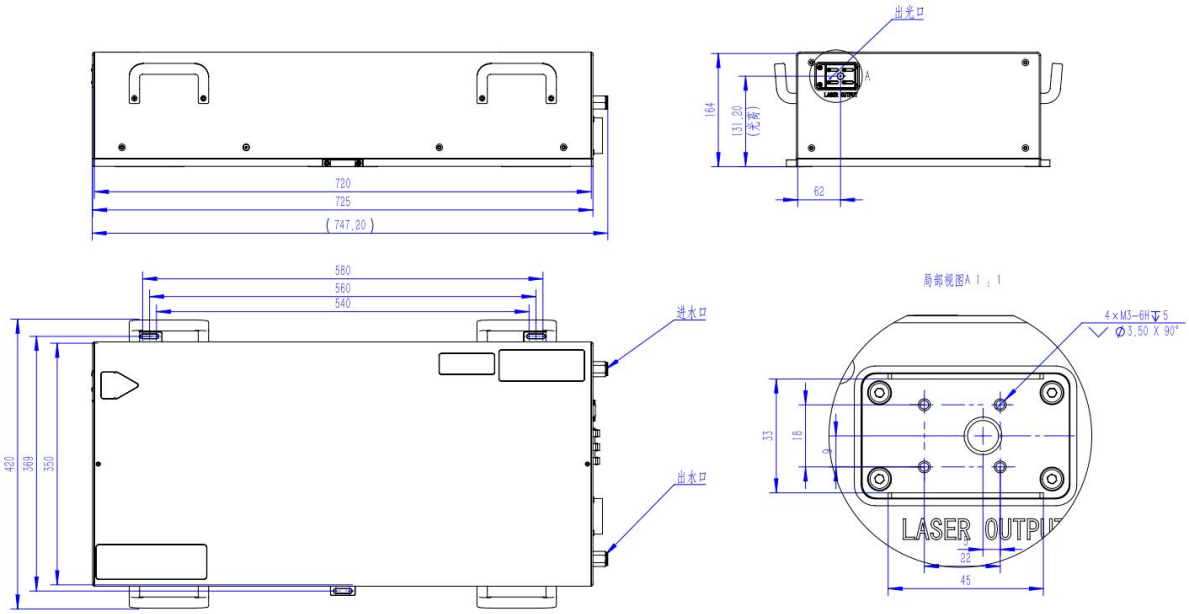
80W Series IR Picosecond Laser Topaz 1064-80/X2.0/X2.5

1. Specifications

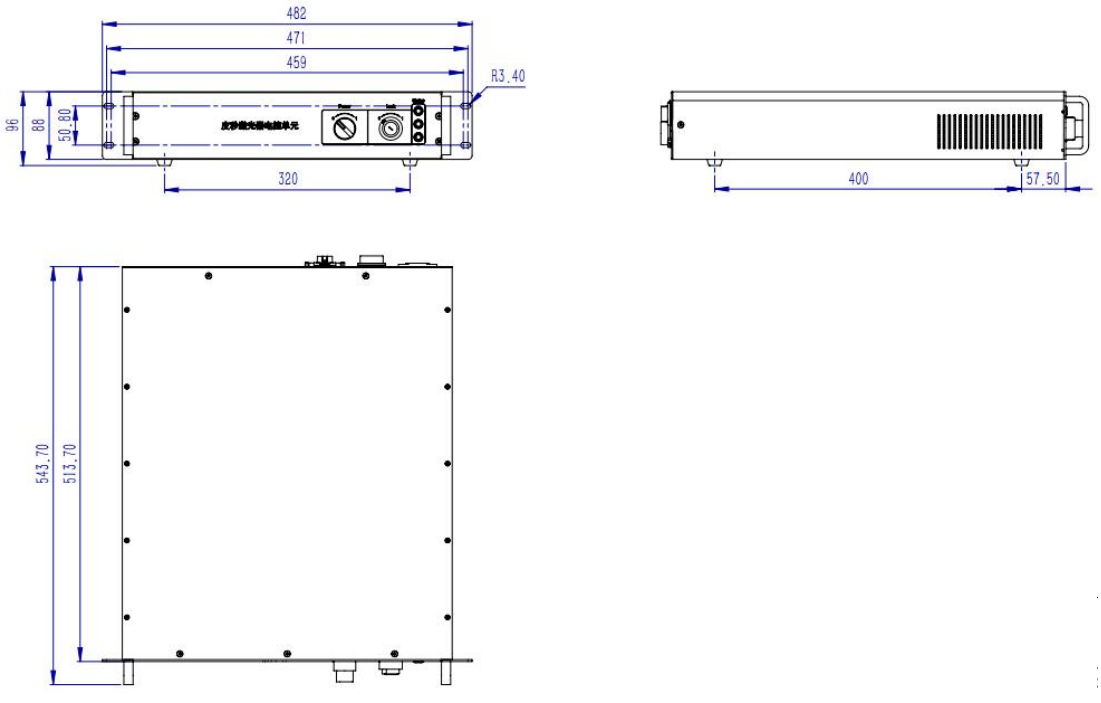
Model	Topaz 1064-80	Topaz 1064-80X2.0	Topaz 1064-80X2.5
Wavelength	1064nm		
Base repetition rate	40kHz	30kHz	20kHz
Pulse repetition rate	1kHz – 1MHz		
Pulse Width	<15ps		
Average Power	>60W@40kHz >75W@50kHz >80W@80kHz >85W@100kHz	>60W@30kHz >75W@50kHz	>50W@20kHz >60W@30kHz
Maximum Pulse Energy	> 1.5mJ@40kHz > 1.5mJ@50kHz > 1.0mJ@80kHz > 0.8mJ@100kHz	>2.0mJ@30kHz >1.5mJ @50kHz	>2.5mJ@20kHz >2.0mJ@30kHz
Average Power Stability	<1.0% rms over 8hours		
Pulse-to-Pulse instability	<1.5% rms		
Burst 模式 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)		
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	<60kg		
Rated power	<1000VA		

2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)



3. Typical Performance Data

