Product Specifications

Product Name	UV Picosecond Laser
Model	Topaz 355-30N Topaz 355-30N1



30W Series UV Picosecond Laser Topaz 355-30N/30N1

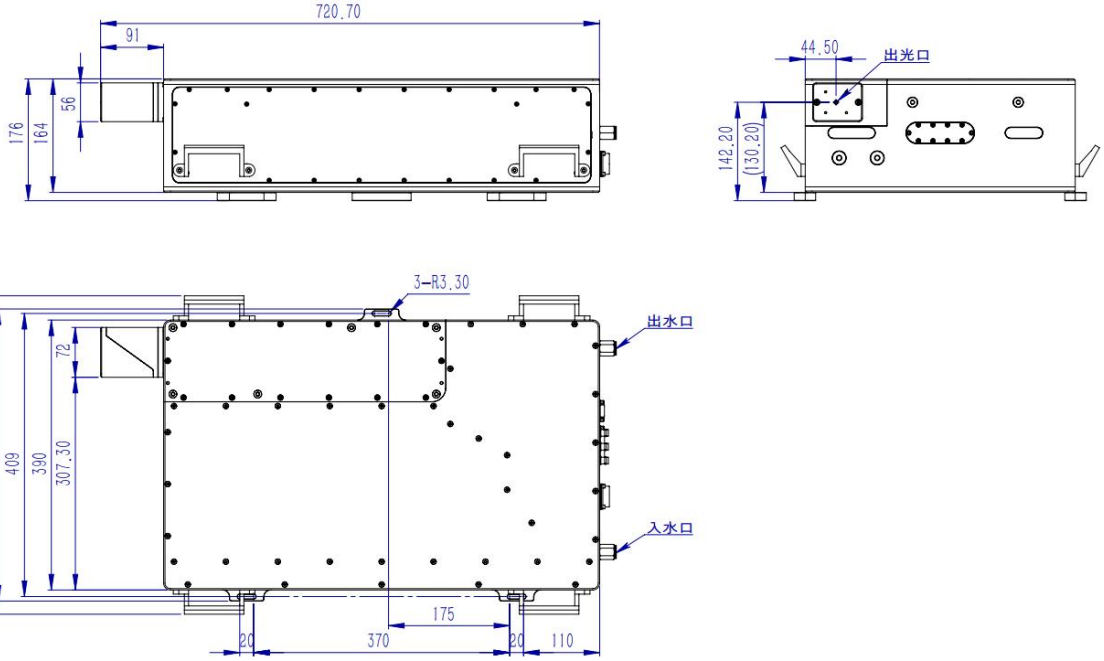
1. Specifications

Model	Topaz 355-30N	Topaz 355-30N1
Wavelength	355nm	
Base repetition rate	500kHz	500kHz·
Pulse repetition rate	1kHz – 1MHz	1kHz –2MHz
Pulse Width	<15ps	
Average Power	>30W@500kHz	>30W@500kHz
Maximum Pulse Energy	> 60uJ@500kHz	> 60uJ@500kHz
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	2.4± 0.3 mm(@output windows 50cm)	
Beam Roundness	>93%	
Polarization Direction	Horizontal	
Polarization Ratio	>100:1	
Pointing stability	<50urad	
External Trigger	Gate/Trig	Gate/Trig/POD
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	<1000VA	

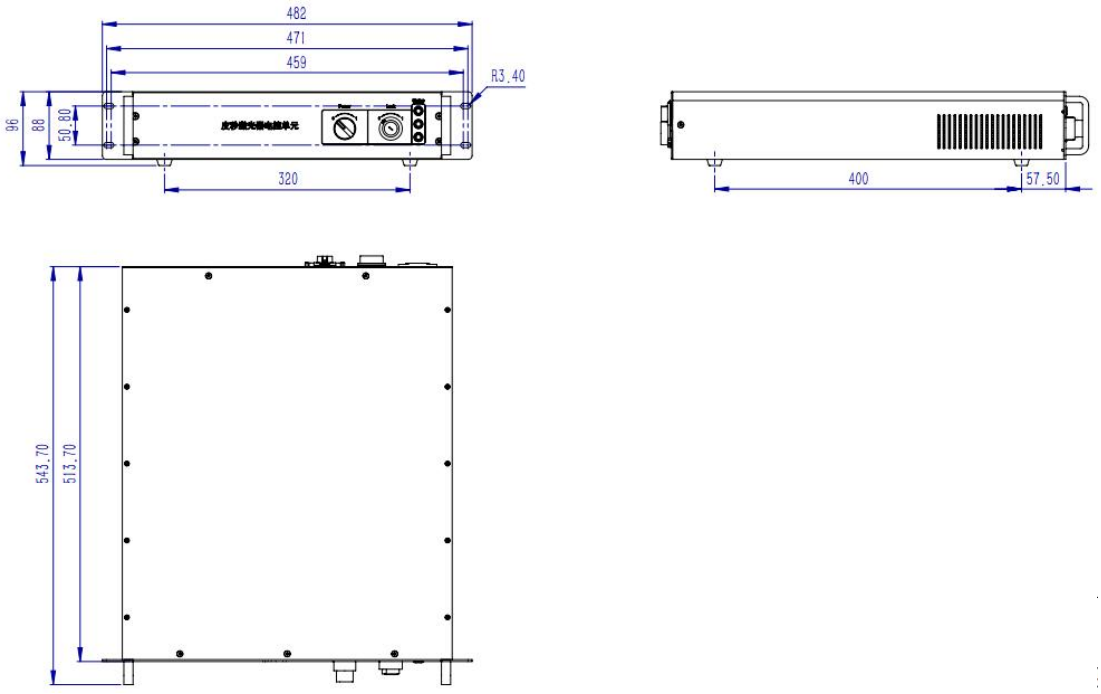
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2. Mechanical Schematic

(1) Laser Head Dimensions (mm)

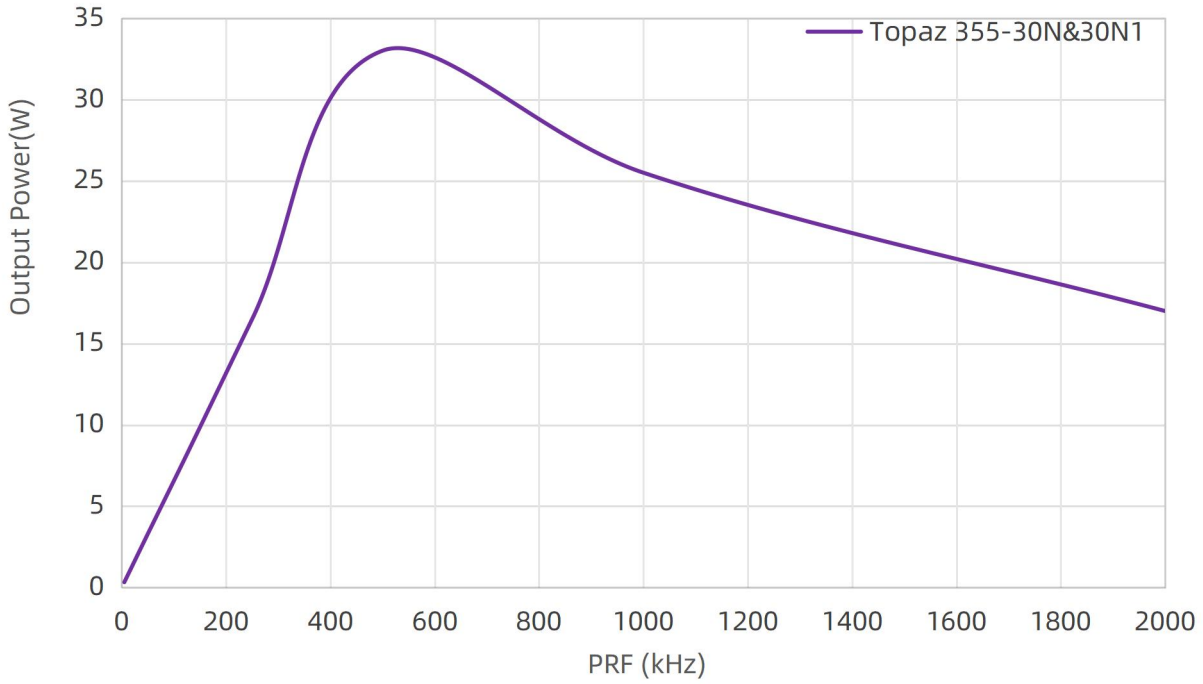


(2) Power Supply Dimensions (mm)



3. Typical Performance Data

Typical Output Power



Typical Single Pulse Energy

