

	Specifications	Revision	V1.1
	Solid picosecond laser	Date:	202410
	Model: S-10-355-P1	Page:	1/4

1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Average output power	>10@1MHz	W
3	Pulse repetition rate(PRR)	Single ~ 2	MHz
4	Pulse duration(FWHM)	< 15	ps
5	Output power stability (Std Dev)	< 3%	RMS
6	Beam quality M ²	< 1.3	/
7	Beam circularity, far field	>90%	/
8	1/e ² beam diameter@20cm	1.5±0.2	mm
9	Polarization direction	Level	/
10	Polarization ratio	>100:1	/
11	Bare light divergence angle	<1	mrad
12	Warm-up time from cold start	<30	min



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2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
13	Power supply voltage	24	VDC
14	Working current	< 25	A
15	Power consumption	< 600	W
16	Recommended power	≥ 800	W

3. Environmental requirements

No.	Characteristics	Parameter value	Unit
17	Ambient temperature	15 - 35	°C
18	Storage temperature	- 10 - 50	°C
19	Ambient relative humidity	< 90	%

4. Water cooler requirements

No.	Characteristics	Parameter value	Unit
20	Cooling capacity	> 1000	W
21	Water flow	> 6	L/min
22	Water tank temperature control	25 ± 0.3	°C

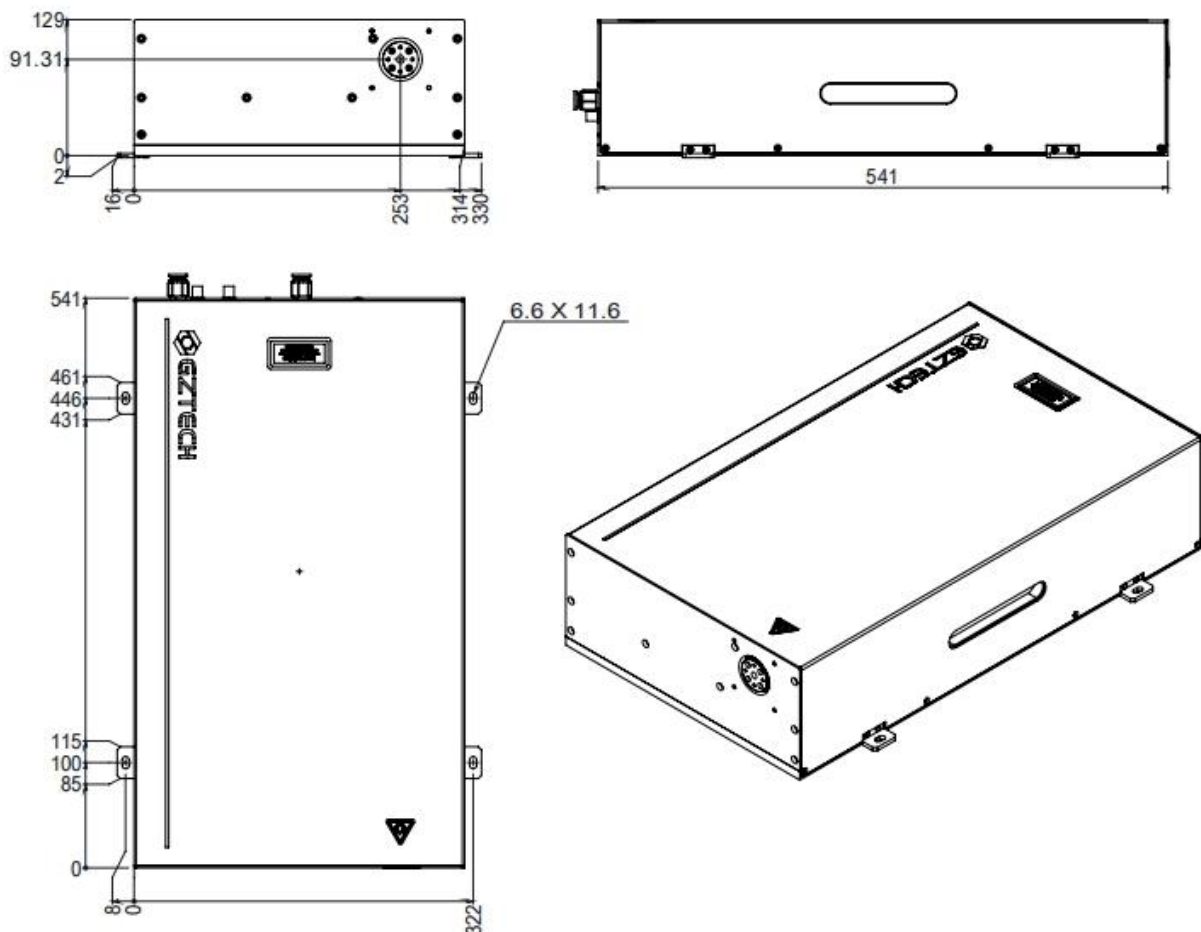


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5.Structural characteristics

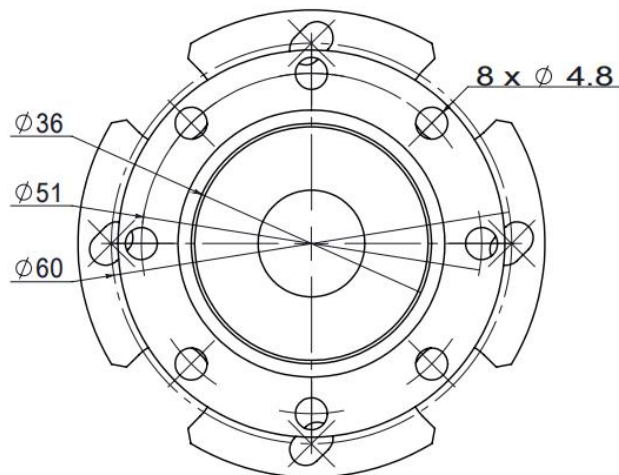
No.	Characteristics	Parameter value	Unit
23	Laser dimension (without feet and galvanometer adapter)	541*314*129	mm
24	Net weight	≤35	kg

6.Dimension



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7. Galvanometer connection tube



8. Galvanometer adapter

