1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Output power	> 5	W
3	Repetition rate	single ~ 2	MHz
4	Pulse width	< 12	ps
5	Output power instability	< 3%	RMS
6	Beam quality M^2	< 1.2	/
7	Spot roundness	> 90%	/
8	Beam diameter ($1/e^2$)	2.0 ± 0.5	mm
9	Polarization direction	horizontal	/
10	Polarization ratio	> 100:1	/
11	Divergence angle (full angle)	< 1	mrad
12	Warm-up time	< 10	min

2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
1	Power supply voltage	24	VDC
2	Working current	< 20	A

3	Power consumption	< 480	W
4	Recommended power supply	≥ 600	W

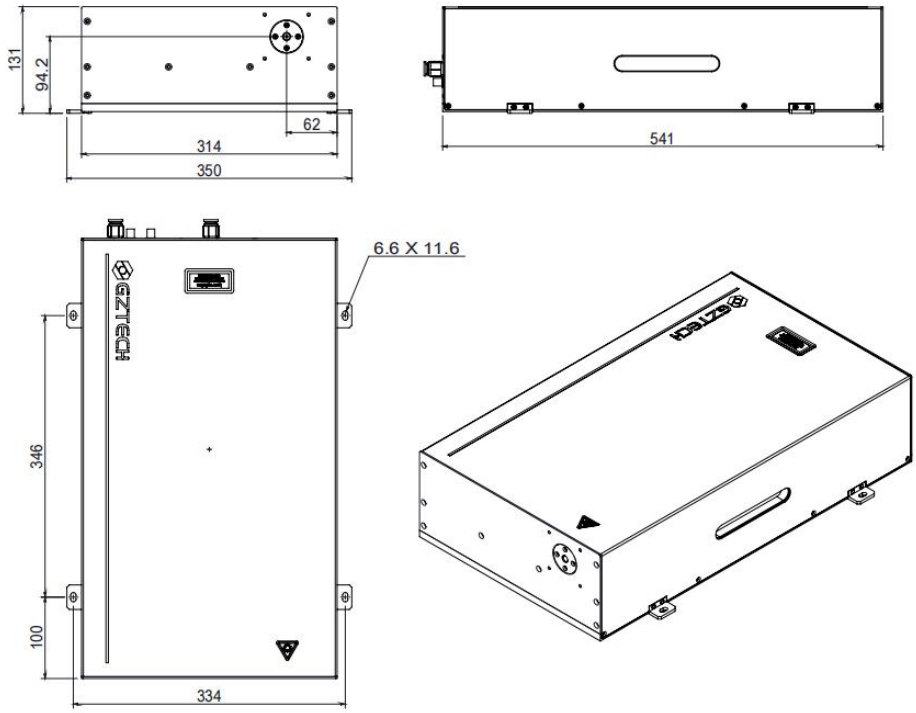
3. Environmental requirements

No.	Characteristics	Parameter value	Unit
1	Ambient temperature	15 - 35	℃
2	Storage temperature	-10 - 50	℃
3	Ambient relative humidity	< 90%, no condensation	/
4	Cooling capacity	> 1000	W
5	Water flow rate	> 6	L/min
6	Water tank temperature control	25 ± 0.1	℃
7	Water pipe diameter (laser)	10	mm

4. Structural characteristics

No.	Characteristics	Parameter value	Unit
1	Laser dimension (without feet and galvanometer adapter)	541*314*131	mm^3
2	Carton dimension	800*500*300	mm^3
3	Net weight	28	kg
4	Gross weight	30	kg

5. Dimension



Laser dimension

6. Galvanometer connection tube

