1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Output power	> 30	W
3	Repetition rate	single ~ 2	MHz
4	Pulse width	< 12	ps
5	Output power instability	< 1%	RMS
6	Beam quality M^2	< 1.3	/
7	Spot roundness	> 90%	/
8	Beam diameter ($1/e^2$)	2.2 ± 0.2	mm
9	Polarization direction	horizontal	/
10	Polarization ratio	> 100:1	/
11	Divergence angle (full angle)	< 1.0	mrad
12	Warm-up time	< 10	min

2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
1	Power supply voltage	100~240	VAC
2	Working Voltage	48	VDC
3	Working current	< 20	A
4	Power consumption	< 1000	W
5	Recommended power supply	＞1200	W

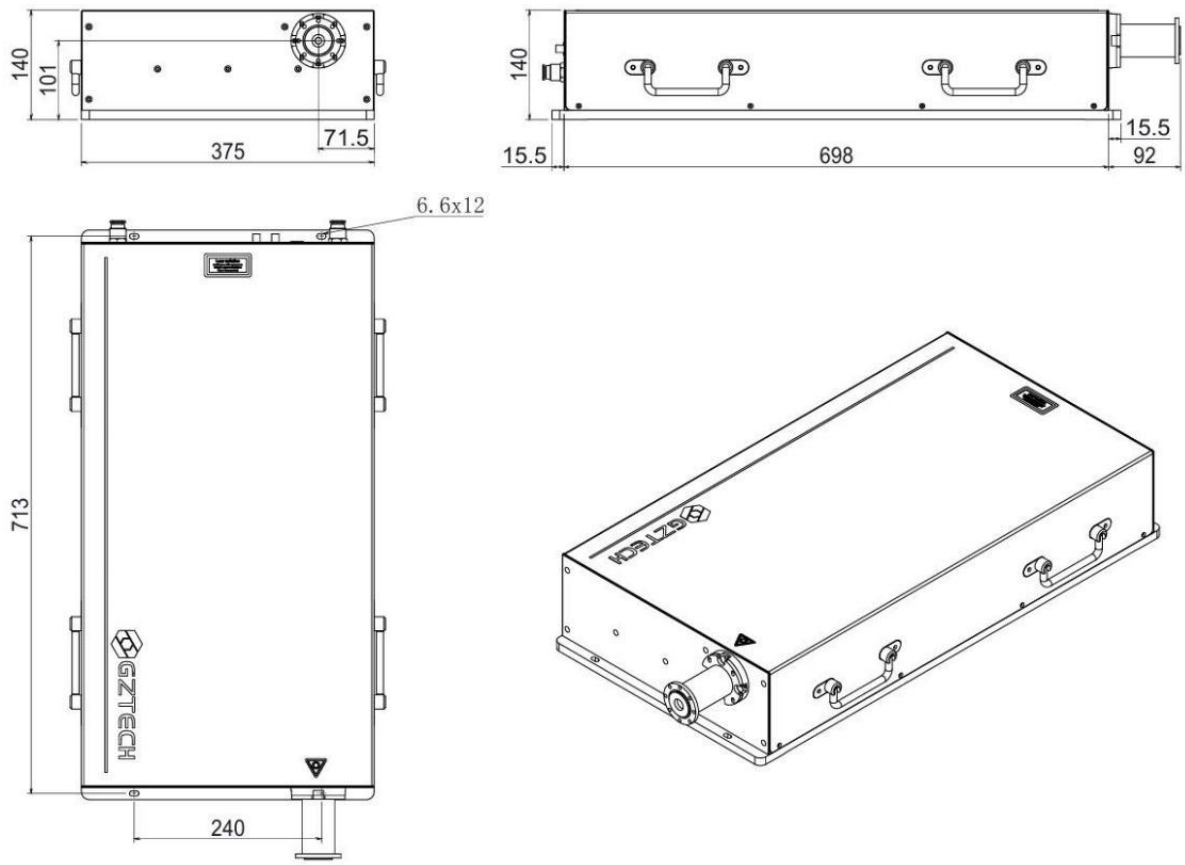
3. Environmental requirements

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	> 1200	W
5	Water flow rate	> 12	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)	698*375*140	mm^3
2	Net weight	40	kg
3	Gross weight	42	kg

5. Dimension



Laser dimension

6. Galvanometer connection tube

