

 GZTECH	Specifications	Revision:	V4.4
	Pulsed picosecond lasers	Date:	202601
	Model: S-20-532-P1	Page:	1/3

1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	532	nm
2	Output power	> 20	W
3	Repetition rate	single ~ 2	MHz
4	Pulse width	< 12	ps
5	Output power instability	< 1%	RMS
6	Beam quality M ²	< 1.2	/
7	Spot roundness	> 90%	/
8	Beam diameter (1/e ² after beam expansion)	2.2 ± 0.2	mm
9	Polarization direction	Vertical	/
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		24	VDC
3	Working current	< 20	A
4	Power consumption	< 480	W
5	Recommended power supply	> 600	W

 GZTECH	Specifications	Revision:	V4.4
	Pulsed picosecond lasers	Date:	202601
	Model: S-20-532-P1	Page:	2/3

3. Environmental requirements

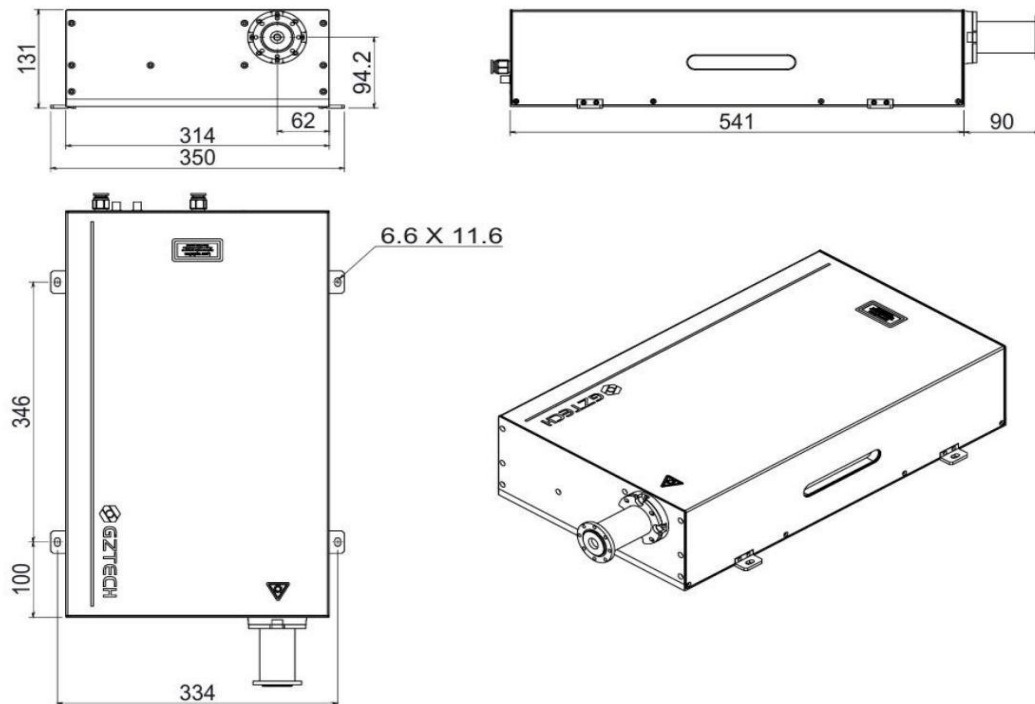
No.	Characteristics	Parameter value	Unit
1	Ambient temperature	15 - 35	°C
2	Storage temperature	-10 - 50	°C
3	Ambient relative humidity	< 90%, no condensation	/
4	Cooling capacity	> 1000	W
5	Water flow rate	> 8	L/min
6	Water tank temperature control	25 ± 0.1	°C
7	Water pipe diameter (laser)	10	mm

4. Structural characteristics

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

 GZTECH	Specifications	Revision:	V4.4
	Pulsed picosecond lasers	Date:	202601
	Model: S-20-532-P1	Page:	3/3

5. Dimension



Laser dimension

6. Galvanometer connection tube

