

 GZTECH	Specifications	Revision:	V1.2
	MOPA Pulsed Green Fiber Laser	Date:	202311
	Model: YFPN-100-GR-020203	Page:	1/5

1. Optical characteristics

N	Characteristics	Parameter value	Unit
1	Central wavelength	532	nm
2	Spectral width @3dB	<1	nm
3	Single pulse energy	0.15	mJ
4	Maximum peak power	10	kW
5	Output power	100@700kHz	W
6	Power adjustment range	0- 100	%
7	Frequency adjustment range	100- 1500	kHz
8	Laser switching ON/OFF time	< 20	μs
9	Pulse width	20	ns
10	Output power instability	< 5	%
11	Beam quality M ²	< 1.2	/
12	Beam ellipticity	>90	%
13	Polarization direction	Linear	/
14	Anti-high reflection	Yes	/
15	Collimated beam diameter (4σ)	2.5±0.5	mm



 GZ TECH	Specifications	Revision:	V1.2
	MOPA Pulsed Green Fiber Laser	Date:	202311
	Model: YFPN-100-GR-020203	Page:	2/5

16	Delivery cable length	3	m
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2. Electrical characteristics

N	Characteristics	Parameter value	Unit
17	Power supply voltage	48	VDC
18	Working current	< 10	A
19	Power consumption	<480	W
20	Recommended power	≥600	W

3. Environment requirements

N	Characteristics	Parameter value	Unit
21	Operating temperature	0~40	°C
22	Storage temperature	- 10~60	°C
23	Cooling Method	Water cooling	/
24	Water cooling temperature	25±3	°C
25	Water cooler flow	>7	L/min
26	Water pipe diameter	10	mm
27	Chiller cooling capacity	≥600	W

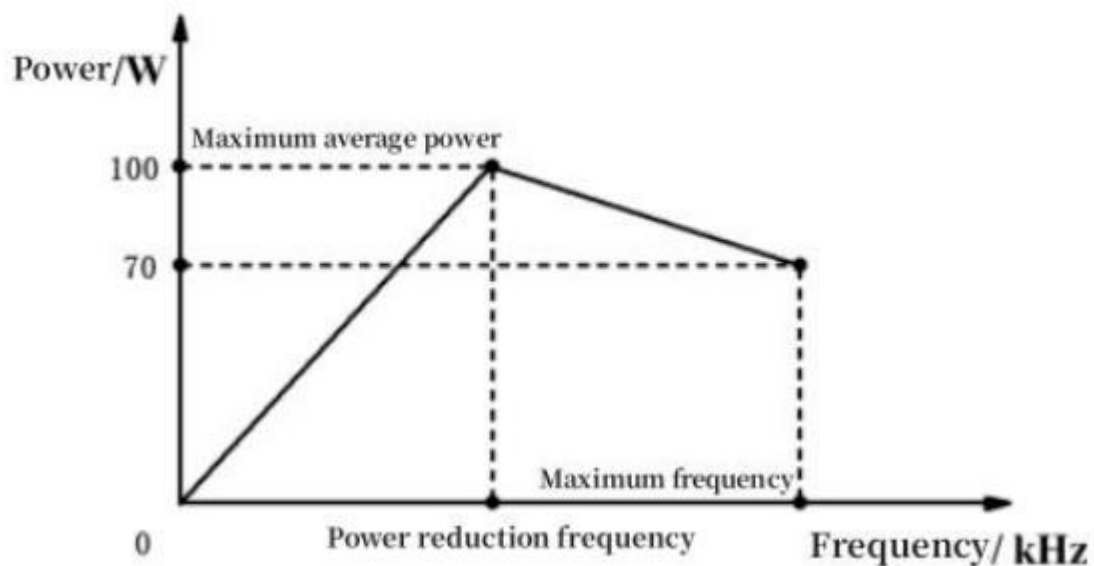


 GZ TECH	Specifications	Revision:	V1.2
	MOPA Pulsed Green Fiber Laser	Date:	202311
	Model: YFPN-100-GR-020203	Page:	3/5

4. Structural characteristics

N	Characteristics	Parameter value	Unit
28	Laser dimension	420*318*75	mm ³
29	Isolator dimension	300*200*107	mm ³
30	Packing size	730*710*170	mm ³
31	Net weight	<25	kg

5. Output Power-Frequency Curve



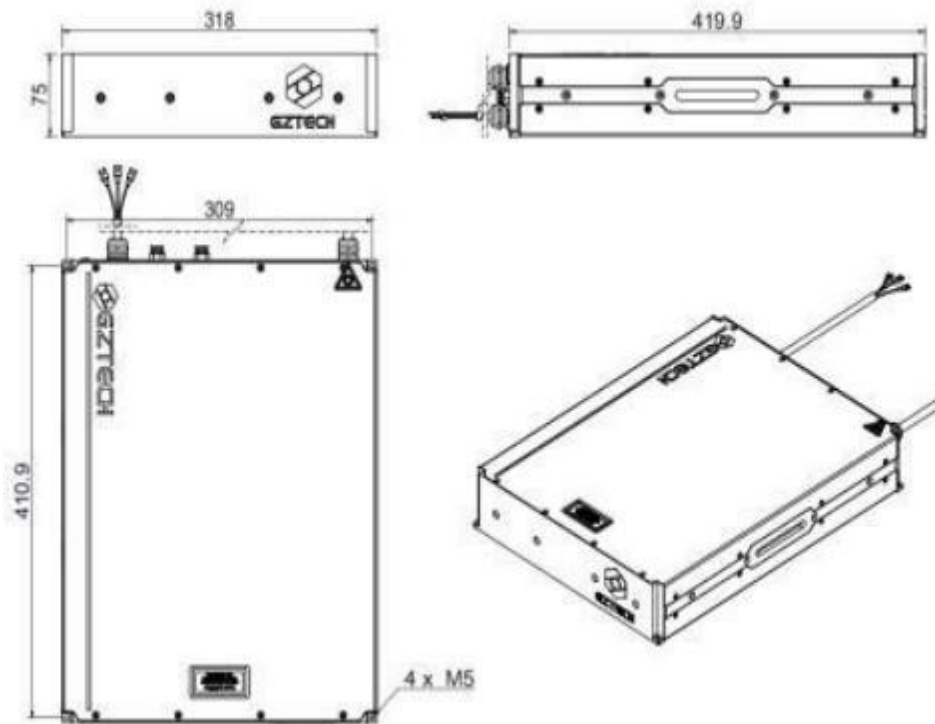
The relationship between laser output power and frequency



 GZ TECH	Specifications	Revision:	V1.2
	MOPA Pulsed Green Fiber Laser	Date:	202311
	Model: YFPN-100-GR-020203	Page:	4/5

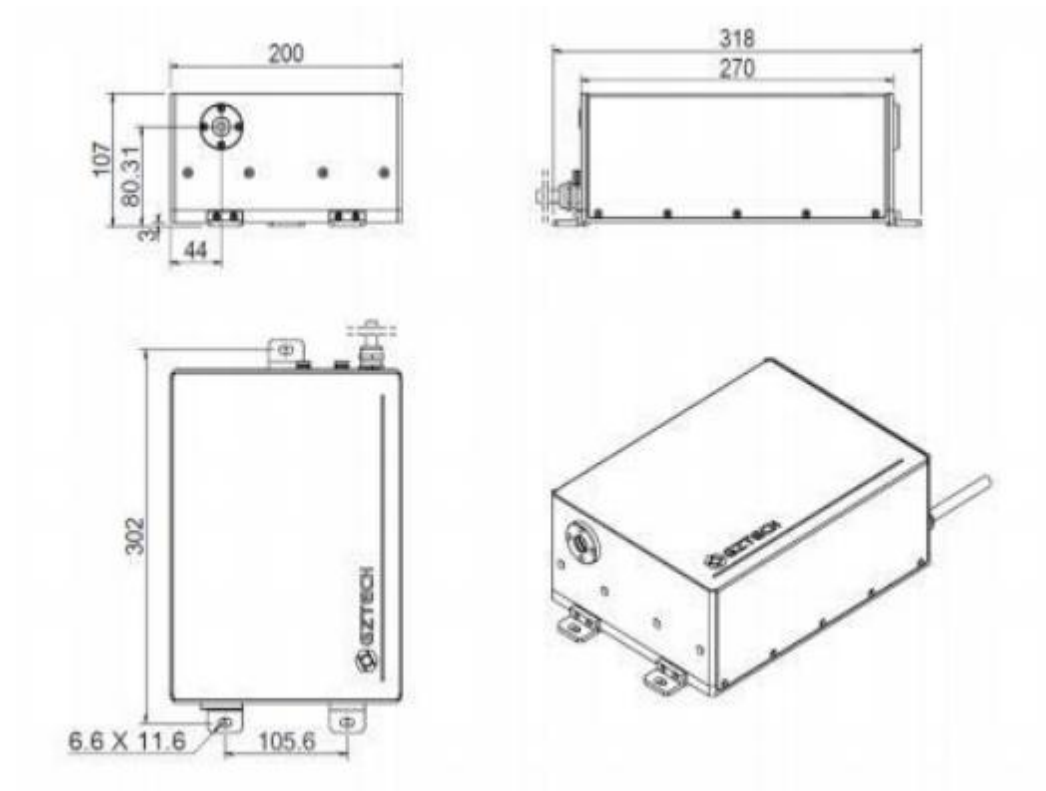
6. Dimension

Laser dimension



 GZ TECH	Specifications	Revision:	V1.2
	MOPA Pulsed Green Fiber Laser	Date:	202311
	Model: YFPN-100-GR-020203	Page:	5/5

Output head dimension



Product picture

