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	CW fiber laser	Date:	202403
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1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Output power	500	W
2	Central wavelength	1080 ± 2	nm
3	Spectral width	< 5	nm
4	Power adjustment range	10-100	%
5	Maximum modulation frequency	50	kHz
6	Laser switching ON/OFF time	< 10	μs
7	Output power instability	< 2	%
8	Beam quality M^2	< 1.2	/
9	Polarization direction	Random	/
10	Indicator light	Yes	/
11	QBH divergence angle (full angle)	< 120	mrad
12	Delivery cable length	5	m



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2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
13	Power supply voltage	48	VDC
14	Working current	<40	A
15	Power consumption	<2000	W
16	Recommended power supply	>2000	W

3. Environmental characteristics

No.	Characteristics	Parameter value	Unit
17	Operating temperature	0-40	°C
18	Storage temperature	0-60	°C
19	Cooling method	Water cooling	/

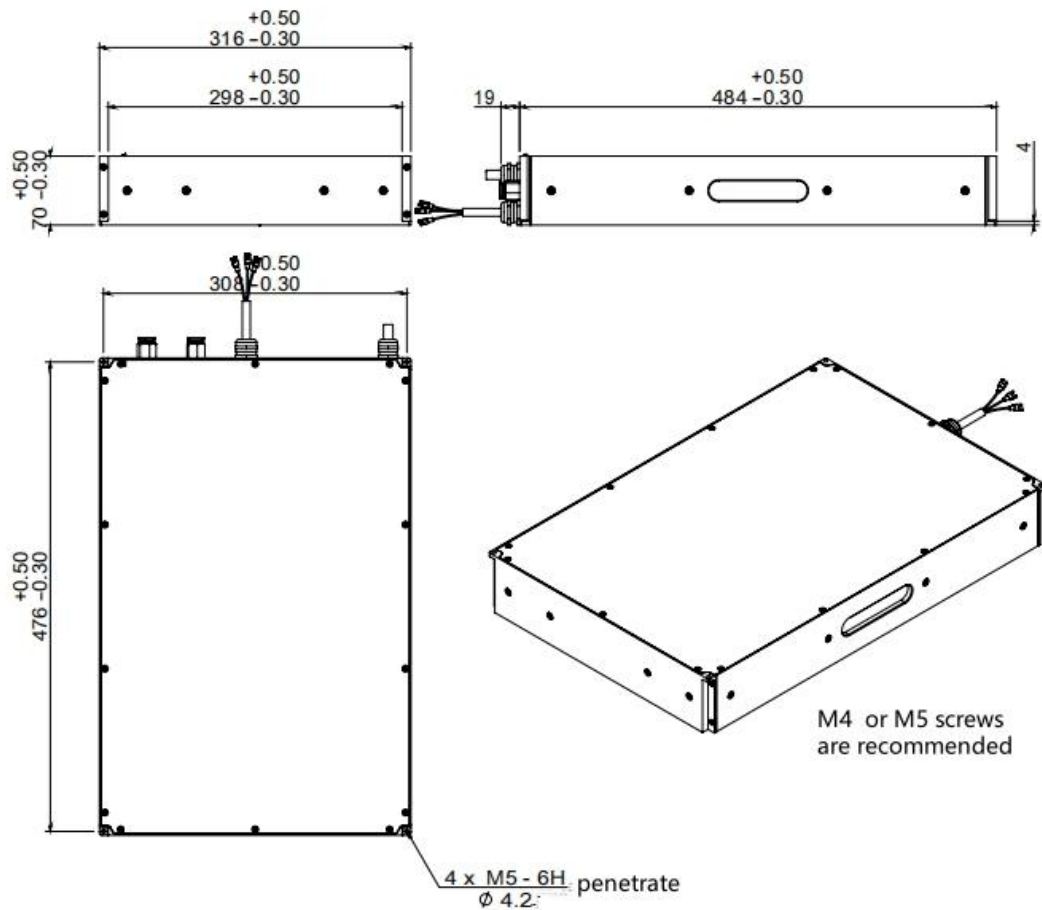
4. Structural characteristics

No.	Characteristics	Parameter value	Unit
20	Laser dimension	316*484*70(white)	mm
21	Net weight	<15	kg

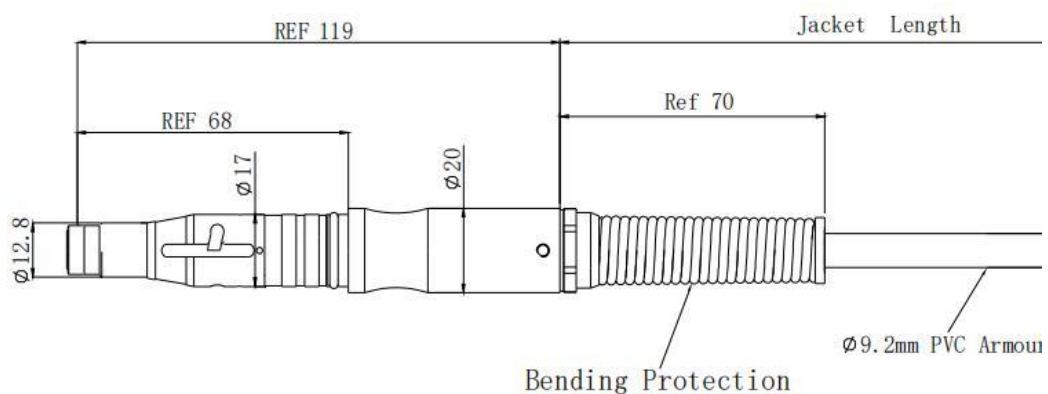


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5. Structural characteristics



Laser dimension



QBH dimension



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