1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central power	>3000	W
	Outer ring power	>3000	W
2	Total power	>6000	W
3	Maximum modulation frequency	5	kHz
4	Central wavelength	1080±5	nm
5	Spectral width @3dB	< 10	nm
6	Power adjustment range	5-100	%
7	Beam quality /M^2 (Central)	<1.55	/
8	Beam parameter product / BPP (Outer Ring)	6	mm*mrad
9	Laser switching ON/OFF time	<100	μs
10	Output power instability	<2	%
11	Polarization direction	Random	/
12	Indicator light power (660nm red light)	~1	mW
13	Output core diameter	20/120	μm
14	Delivery cable length	10	m

2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
1	Power supply voltage	380	V

2	Working current	<45	A
3	Power consumption	<20000	W

3. Environmental requirements

No.	Characteristics	Parameter value	Unit
1	Operating temperature	10 - 40	℃
2	Storage temperature	0 - 60	℃
3	Cooling method	Water cooling	/

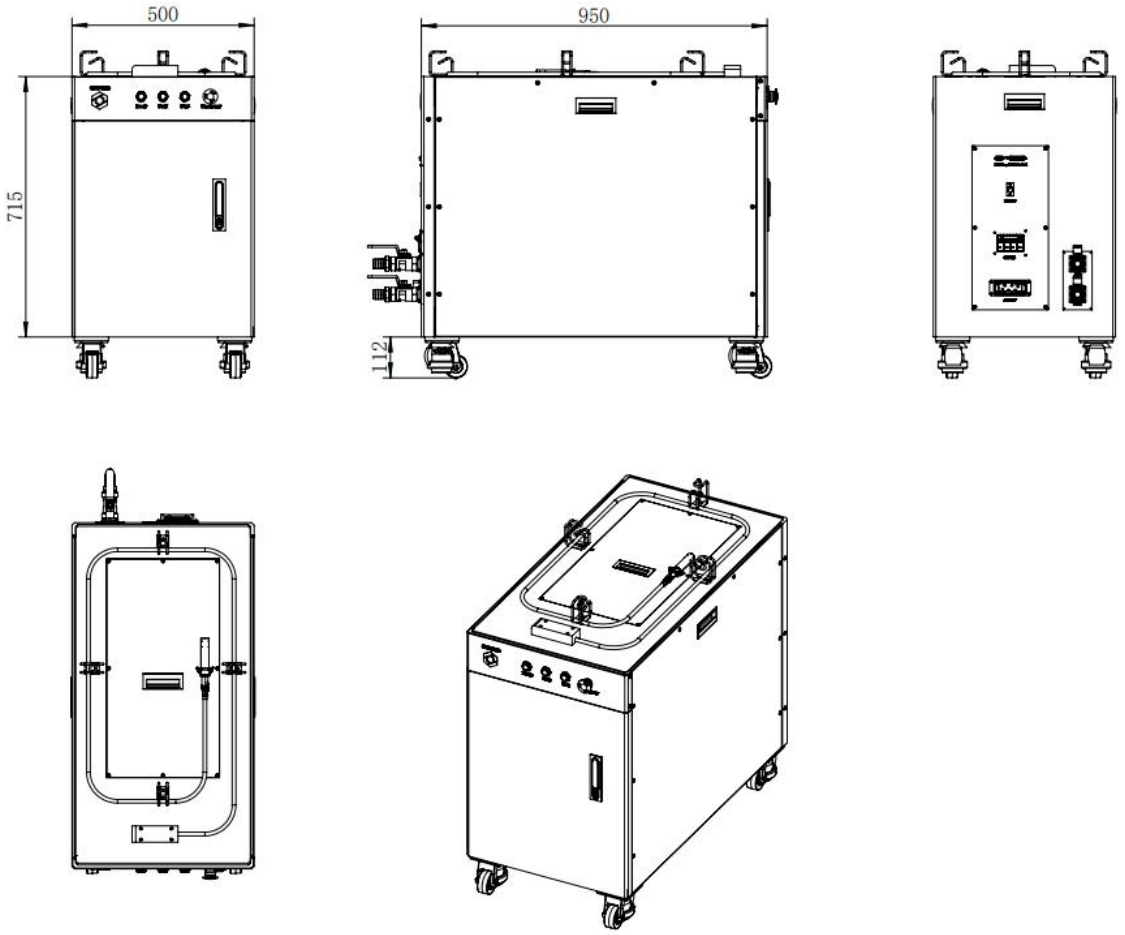
4. Water cooling requirements

No.	Characteristics	Parameter value	Unit
1	Cooling capacity	>15000	W
2	Water flow rate	>60	L/min
3	Water cooling temperature	25±1	℃
4	Water Pipe Diameter	25	mm

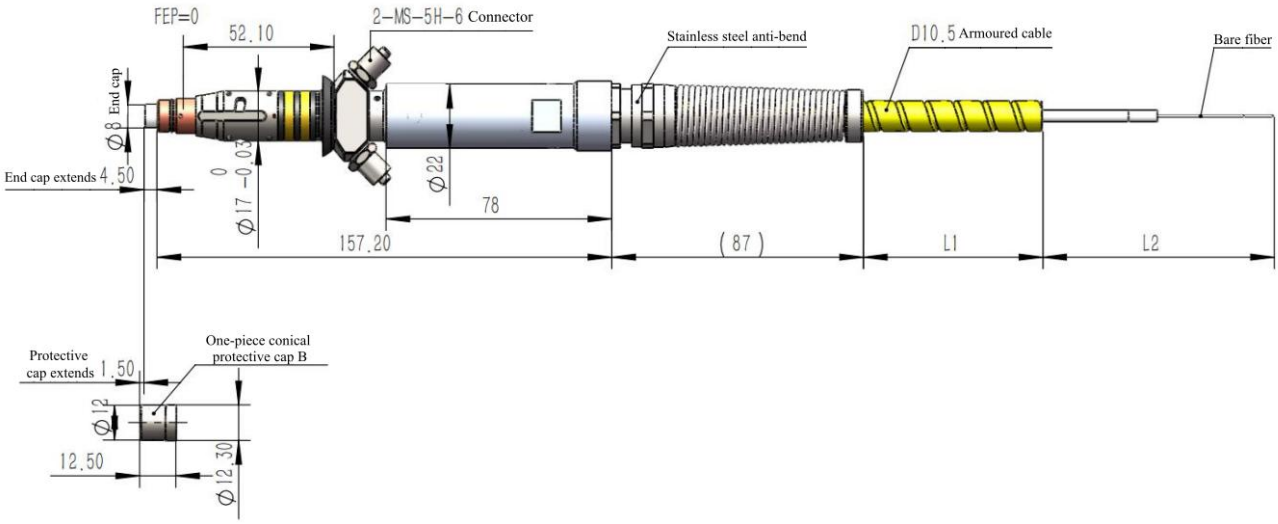
5. Structural characteristics

No.	Characteristics	Parameter value	Unit
1	Laser dimension	950*500*715 (excluding lifting eyes and castors)	mm^3
2	Output head dimension	QBH Standard Parts	As shown in the figure below
3	Net weight	~180	kg

6. Dimension



Laser dimension (See the actual product for details of the eye bolt)



QBH dimension (See the actual product for details of the tap)