450nm/100W fiber laser module

LY45100-A specification document

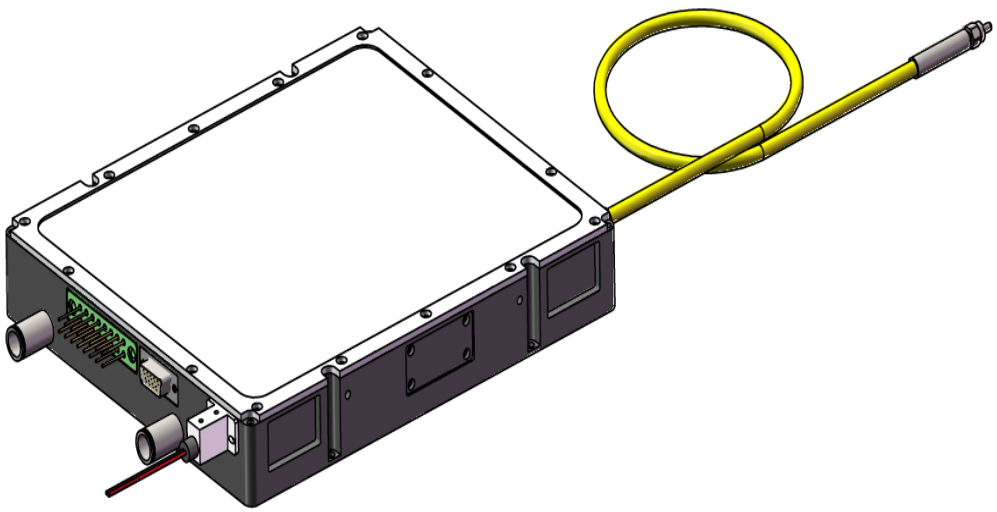
characteristic：

- Multiple single-pipe coupling ensures safety and reliability.
- high power output
- high stability

application scenarios:

- laser beam welding
- laser melting coating
- 3D printing 0.22NA

Outline



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Technical specifications:

		Minimum	Typical	Maximum
输出功率Power	W	120		
中心波长Wavelength	nm	435	450	460
光纤数值孔径Fiber NA			0.22	
光纤芯径Fiber Core Dia	μm		105	
光纤长度Fiber Length	m		5m	
工作电压Working Voltage	V		34* 4路Path	
工作电流Working Current	A		3*4路Path	
工作温度Working Temp	℃	15		35
存储温度Storage Temp	℃	-20		50
冷却方式Cooling Method			水冷Water-cooling	
光纤接口Fiber Interface			SMA905/QCS	

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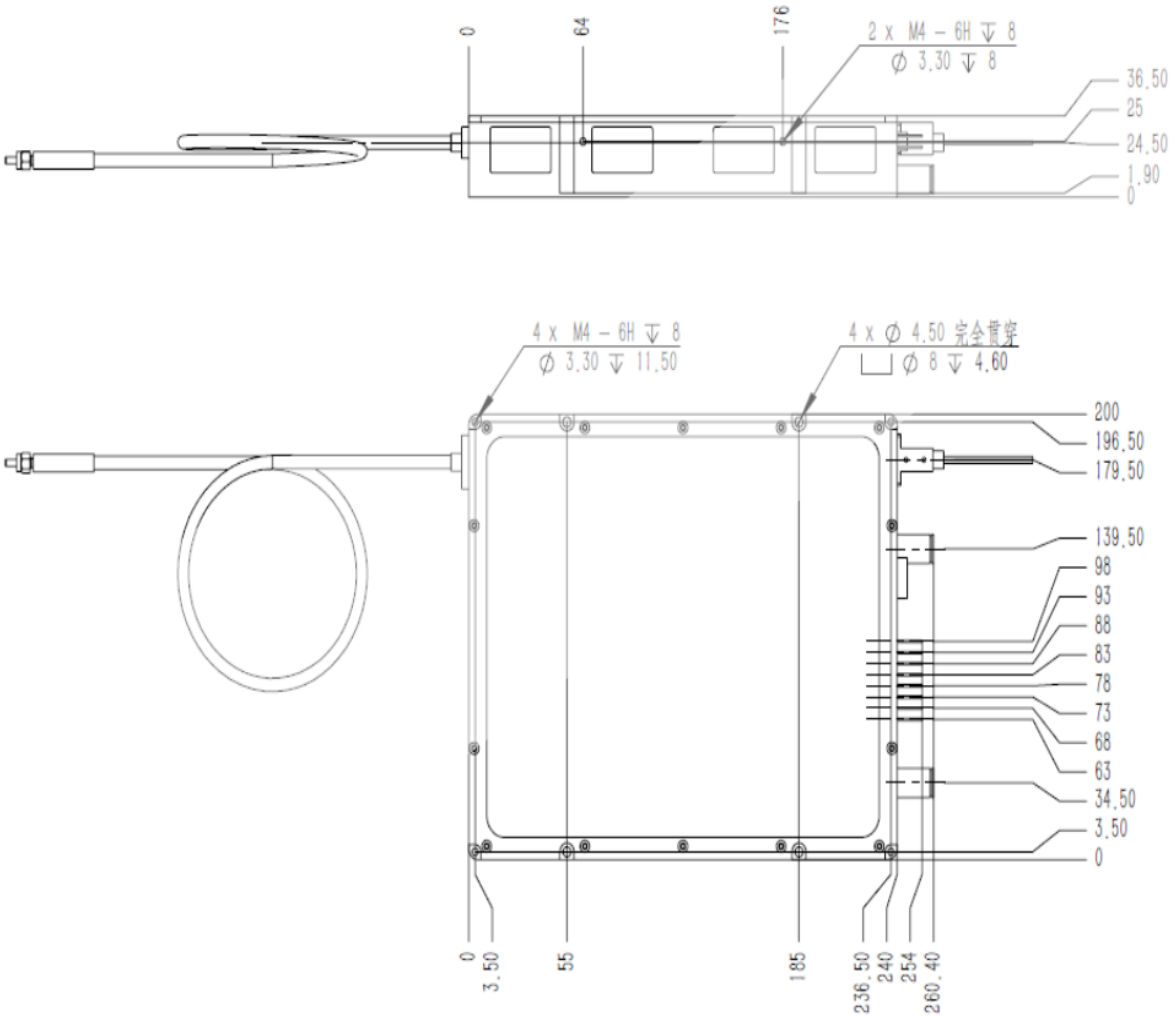
Structural size/Diameter:



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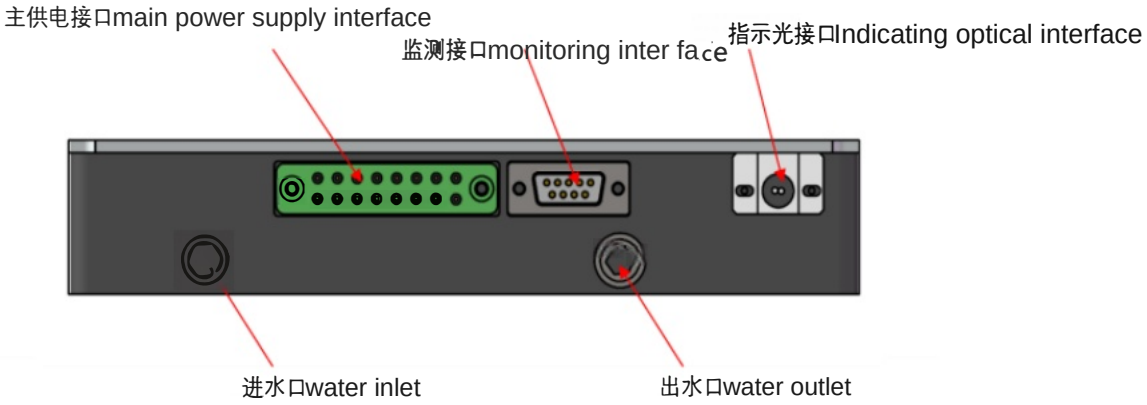
LY45100-A specification interface definition

接电定义Definition of power connection:



主供电端口Main power supply port

	1	2	3	4	5	6	7	8
第一排	LD1+	LD3+	LD2+	LD4+				
第二排	LD1-	LD3-	LD2-	LD4-				

监测端口Main power supply port

	1	2	3	4	5
第一排	温度 1+	温度 1-	温度 2+	温度 2-	PD+
	6	7	8	9	
第二排	PD-				

备注Remark:

1. 激光 PD 位于耦合光纤上端，位置固定。
2. 带红光指示 638/650nm 功率小于 10mW
3 水流测试条件：25℃，8mm 外径 PU 管
4. 温度探测器为 NTE 3950 10k 0.1

1. The laser PD is located at the upper end of the coupling fiber, and its position is fixed.
2. Red light indicates that the power at 638/650nm is less than 10mW
3. Water flow test conditions: 25℃,8mm external diameter PU tube
4. The temperature detector is NTE 395010K0.1.

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Lan Yu Laser reminds you that you should pay attention to the protection of static electricity in the transportation and use of laser products, and do not use the maximum value in the application, so as to avoid the rapid aging of the laser.

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Laser can cause direct or indirect harm to human body, especially to eyes. If you need to observe laser, please use ultraviolet camera.