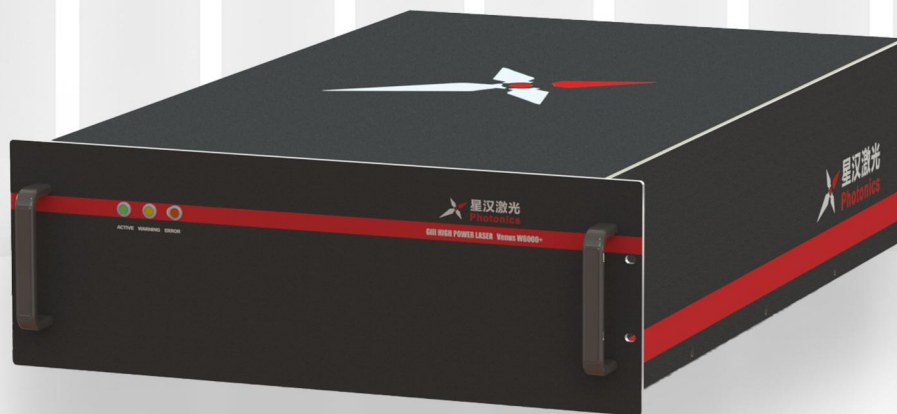


6000W 水冷直接半导体激光器

D9 6000W Water-Cooled Direct Semiconductor Laser



PN:WHC6000600

D9 6000W Water-Cooled Direct Semiconductor Laser

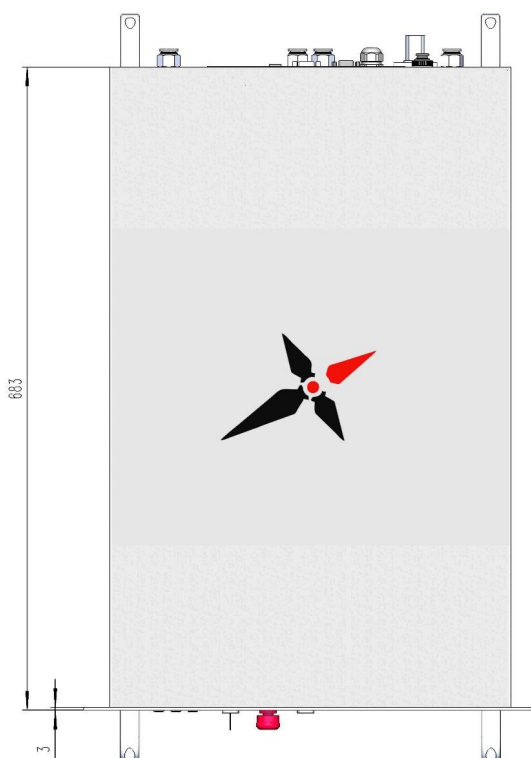
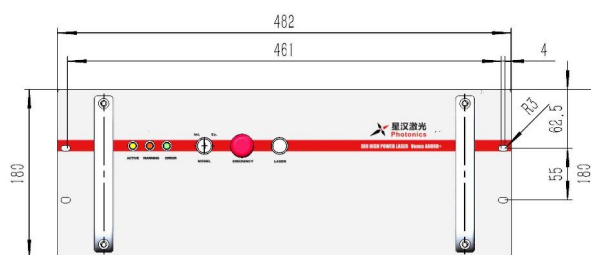
主要特性/Key Features:	应用领域/Applications:
● 高亮度/High Brightness	● 焊接/Welding
● 极佳的功率稳定性/Excellent Power Stability	● 钎焊/brazing
● 高效率/High Efficiency	● 淬火/quenching
● 平顶光斑输出/Top Hat	● 熔覆/Cladding



型号/Product Number WHC6000600

光学参数 ¹ /Optical Parameters ¹	Unit	Minimum	Typical	Maximum
输出功率 ² /Output Power ²	W		6000	
功率调整范围/Power Adjust Scope	%	10		100
中心波长/Center Wavelength	nm	900	976±10	1000
偏振态/Polarization			随机 Random	
工作模式/Operating Mode			连续/调制	
最大调制频率/Max. Modulation Frequency	KHz		20	
功率稳定性/Power Stability	%		±2 (2h)	
95%出光NA/95% Power Within NA			0.20	
指示红光功率/Red Guide Light	mW		2	
光纤参数/Fiber Parameters				
激光输出头 ³ /Laser Output Head ³			QBH	
纤芯直径/Fiber Core Diameter	μm		600	
光纤数值孔径/Numerical Aperture	NA	0.215	0.220	0.225
光缆长度 ³ /Gable Length ³	m		10	
光纤线缆弯曲半径/Fiber Bend Radius	mm		> 160	
光缆直径/Loose Tubing Diameter	mm		13	
电学性能/Electrical Parameters				
电源电压输入/Power Input	V		三相380V, 50/60Hz	
功耗/Power Dissipation	W		< 15000	
控制方式/Control mode			RS-485	
热学性能/Thermal Parameters				
水冷功率/ Water Cooling Power	kw		8.4	
水冷机流量/Water Cooler Flux	L/min	12		
水冷机设置温度/Temperature Of The Water	°C	24	25	28
水冷管外径/Cooling tube diameter (inner)	mm		12	
环境工作湿度/Humidity	%	10		85
存储温度/Storage Temperature	°C	-10		60
环境工作温度/Operating Temperature	°C	10	25	40
机械尺寸/Mechanical Specifications				
外观/Dimension	mm		482x683x180	
重量/Weight	Kg		45	




使用说明 / Application Notes:

- 激光器输出激光有危险性，使用时请遵守IEC四级激光标准安全规范，避免激光直接或间接照射眼睛和皮肤
 The Laser Beam Emitted From The Diode Laser Is Dangerous, Please Follow The Standard Safety Procedures For IEC Class 4 Lasers, Avoid Eye Or Skin Exposure To Direct Or Scattered Radiation.
- 在激光器出光之前，请确保出光端面清洁
 Ensure The End Of The Fiber Be Free Of Dust And Contamination Before Operation.
- 请参照规格书，在额定电流、电压下使用激光器
 The Laser Should Be Operated According To The Specifications, Maximum Optical Power Should Not Be Exceeded
- 为保证激光器能长期可靠运行，需要保证激光器启动前水冷机已经开启且温度恒定
 In Order To Ensure The Long-Term Reliable Operation Of The Laser, It is Necessary To Ensure That The Water Cooler is Started And The Temperature is Constant Before The Laser is Started

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