

产品手册 | Product Manual

专注高端风冷激光器

Focusing on high-end air-cooling laser sources

企业简介

COMPANY PROFILE

无锡锐莱伯光电科技有限公司坐落于国家级互联网小镇-江苏鸿山。

是一家专业研发、生产、销售激光器的科技公司。

Wuxi Reliable Photoelectric Technology Co., Ltd. is located in the national Internet town - Hongshan, Jiangsu.

We are a technology company specializing in the research and development, production, and sales of laser sources.

公司致力于高端、高品质、高性价比激光器的研发设计、产业化。公司核心团队拥有激光光学设计、电路设计、控制软件、热处理等领先技术及工程经验。目前已在激光领域申请多项专利。

The company is committed to the research and development, design, and industrialization of high-end, high-quality, and cost-effective lasers. The core team of the company possesses leading technologies and engineering experience in laser optical design, circuit design, control software, heat treatment, and other related areas. Currently, multiple patents have been applied for in the field of lasers.

目前我司已有产品专利和软件著作权20余项。
2024年被评为国家级高新技术企业。

At present, our company has more than 20 product patents and software copyrights.
In 2024, it will be rated as a national high-tech enterprise.



产品介绍

PRODUCT INTRODUCTION



FL-300/500S 风冷连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表 Basic parameter table

功率power	300/500W
工作时长working hours	连续24小时/24H
输出功率调节范围	10-100%
Output power adjustment range	
输出功率波动	≤2%
Output power fluctuation	
输出铠缆长度	5-10m or
Cable length	customizable
中心波长	1080±10nm
center wavelength	
功耗	≤1700W
power consumption	
光束质量	1.2
Beam Quality	
输出光纤芯径	14μm or
Fiber core diameter	customizable
尺寸sizes	373*304*130mm
重量weight	<15 kg
工作环境温度	-20℃—45℃
Ambient Temperature	
冷却方式	纯风冷
cooling method	air cooled
控制方式	DA/Rs232/IOT/物联网
Control method	
应用场景	3D金属打印专用
Application scenarios	3D metal printing only

产品介绍

PRODUCT INTRODUCTION



F7

风冷连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表 Basic parameter table

功率power	700W
工作时长working hours	连续24小时/24H
输出功率调节范围	10-100%
Output power adjustment range	10-100%
输出功率波动	≤2%
Output power fluctuation	≤2%
输出铠缆长度	5-10m or
Cable length	customizable
中心波长	1080±10nm
center wavelength	1080±10nm
功耗	≤2500W
power consumption	≤2500W
光束质量	1.2
Beam Quality	1.2
输出光纤芯径	20μm or
Fiber core diameter	customizable
尺寸sizes	373*304*130mm
重量weight	<15 kg
工作环境温度	-20℃—45℃
Ambient Temperature	-20℃—45℃
冷却方式	纯风冷
cooling method	air cooled
控制方式	DA/Rs232/IOT/物联网
Control method	DA/Rs232/IOT/物联网
应用场景	激光切割，激光焊接，激光清洗等
Application scenarios	Laser cutting, laser welding, laser cleaning, etc

产品介绍

PRODUCT INTRODUCTION



F12A

风冷连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表

Basic parameter table

功率power	>1300W
工作时长working hours	连续24小时/24H
输出功率调节范围	10-100%
Output power adjustment range	
输出功率波动	≤2%
Output power fluctuation	
输出铠缆长度	5-10m or
Cable length	customizable
中心波长	1080±10nm
center wavelength	
功耗	≤3500W
power consumption	
光束质量	1.2
Beam Quality	
输出光纤芯径	25μm or
Fiber core diameter	customizable
尺寸sizes	434*402*130mm
重量weight	<24 kg
工作环境温度	-20℃—45℃
Ambient Temperature	
冷却方式	纯风冷
cooling method	air cooled
控制方式	DA/Rs232/IOT/物联网
Control method	
应用场景	激光切割，激光焊接，激光清洗等
Application scenarios	Laser cutting, laser welding, laser cleaning, etc

产品介绍

PRODUCT INTRODUCTION



F16

风冷连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表 Basic parameter table

功率power	1650W≤F16≤1750W
工作时长working hours	连续24小时/24H
输出功率调节范围 Output power adjustment range	10-100%
输出功率波动 Output power fluctuation	≤2%
输出铠缆长度 Cable length	5-10m or customizable
中心波长 center wavelength	1080±10nm
功耗 power consumption	≤4000W
光束质量 Beam Quality	1.2
输出光纤芯径 Fiber core diameter	25μm or customizable
尺寸sizes	434*402*130mm
重量weight	<24 kg
工作环境温度 Ambient Temperature	-20℃—45℃
冷却方式 cooling method	纯风冷 air cooled
控制方式 Control method	DA/Rs232/IOT/物联网
应用场景 Application scenarios	激光切割, 激光焊接, 激光清洗等 Laser cutting, laser welding, laser cleaning, etc

产品介绍

PRODUCT INTRODUCTION



F20

风冷连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表 Basic parameter table

功率power	2000W
工作时长working hours	连续24小时/24H
输出功率调节范围	10-100%
Output power adjustment range	
输出功率波动	≤2%
Output power fluctuation	
输出铠缆长度	5-10m or
Cable length	customizable
中心波长	1080±10nm
center wavelength	
功耗	≤4500W
power consumption	
光束质量	1.2
Beam Quality	
输出光纤芯径	25μm or
Fiber core diameter	customizable
尺寸sizes	389*520*154mm
重量weight	<24 kg
工作环境温度	-20℃—45℃
Ambient Temperature	
冷却方式	纯风冷
cooling method	air cooled
控制方式	DA/Rs232/IOT/物联网
Control method	
应用场景	激光切割，焊接，清洗，清障，反无等
Application scenarios	Laser cutting, welding, cleaning, obstacle removal, anti UAV, etc

产品介绍

PRODUCT INTRODUCTION



QCW150/1500 风冷**准**连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表 Basic parameter table

最大输出平均功率power	750W
工作时长working hours	连续24小时/24H
输出峰值功率调节范围 Output power adjustment range	10-100%
瞬时峰值功率 Instantaneous peak power	1500W
参数控制范围 Parameter control range	$1000 \leq \text{功率} * \text{占空比} \leq 6000$ $1000 \leq \text{Power} * \text{PWM} \leq 6000$
可调节脉宽范围 Adjustable pulse width range	0.02ms - 250ms
DA&激光开关时间 DA&Laser Switching Time	$\leq 10\mu\text{s}$
输出频率调节范围 Output frequency adjustment range	1-5kHz
输出功率波动 Output power fluctuation	$\leq 1\%$
中心波长 center wavelength	$1080 \pm 10\text{nm}$
功耗 power consumption	$\leq 1000\text{W}$
输出光纤芯径 Fiber core diameter	50 μm or customizable
尺寸sizes	434*402*130mm
重量weight	< 24 kg
工作环境温度 Ambient Temperature	-20°C—45°C
冷却方式 cooling method	纯风冷 air cooled
应用场景 Application scenarios	精密切割/焊接等 Precision cutting/welding, etc

产品介绍

PRODUCT INTRODUCTION



QCW200/2000 风冷**准**连续光纤激光器

Air Cooling Fiber Laser Source



基础参数表 Basic parameter table

最大输出平均功率power	1000W
工作时长working hours	连续24小时/24H
输出峰值功率调节范围	10-100%
Output power adjustment range	10-100%
瞬时峰值功率	2000W
Instantaneous peak power	2000W
参数控制范围	1000≤功率*占空比≤6000
Parameter control range	1000 ≤Power *PWM ≤ 6000
可调节脉宽范围	0.02ms - 250ms
Adjustable pulse width range	0.02ms - 250ms
DA&激光开关时间	≤10μs
DA&Laser Switching Time	≤10μs
输出频率调节范围	1-5kHz
Output frequency adjustment range	1-5kHz
输出功率波动	≤1%
Output power fluctuation	≤1%
中心波长	1080±10nm
center wavelength	1080±10nm
功耗	≤1000W
power consumption	≤1000W
输出光纤芯径	50μm or customizable
Fiber core diameter	50μm or customizable
尺寸sizes	434*402*130mm
重量weight	<24 kg
工作环境温度	-20℃—45℃
Ambient Temperature	-20℃—45℃
冷却方式	纯风冷
cooling method	air cooled
应用场景	精密切割/焊接等
Application scenarios	Precision cutting/welding, etc

Air cooling fiber laser source

锐莱伯风冷激光器

Pioneer

风冷光纤激光器引领者



官方抖音号
@锐莱伯风冷激光器



锐莱伯官网
www.wuxirlaser.com



微信视频号
@锐莱伯风冷激光器

