LASER

CYL-200A / CYL-500A Air Cooled CW Fiber Laser

〉PRODUCT FEATURE AND SPECIFICATIONS:



- IIoT-Enabled Remote Monitoring and Control
- Compact Air-Cooled Design
- High Beam Quality for Precision Processing
- Optional External Power Supply
- Designed for OEM System Integration
- Flexible Customization Options

- Metal Laser Powder Bed Fusion (LPBF)
- Selective Laser Melting (SLM)
- Metal Additive Manufacturing Systems
- Industrial 3D Printing Equipment Integration

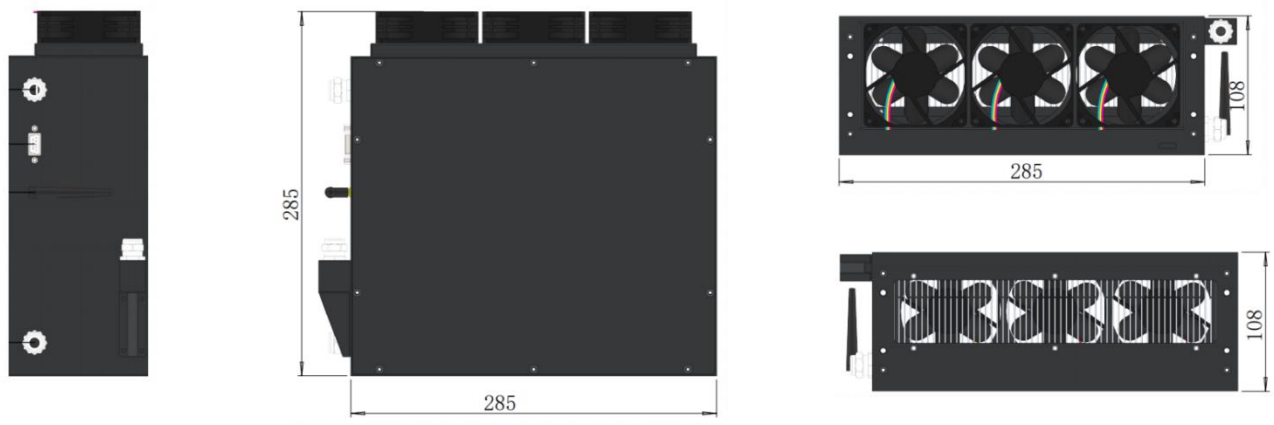
CINA LASER's CYL-200A / CYL-500A Air-Cooled CW Fiber Lasers are compact, single-mode laser sources designed for industrial applications requiring continuous-wave and modulated laser output. Featuring high beam quality, an air-cooled design, and flexible fiber delivery options, they are suitable for integration into metal 3D printing systems and other precision manufacturing equipment.

With IIoT-enabled remote monitoring, the lasers support operating status monitoring and convenient system management. Optional external power supply and configurable output connectors provide flexibility for OEM integration, helping equipment manufacturers optimize system layout and installation requirements.

Performance	Unit	Min.	Typ.	Max.	Remarks
Central Wavelength	(nm)	1070	1080	1090	
Spectral Bandwidth	(nm)		3	5	-3db
Output Optical Power	(W)		200/500		
Short Time Power Stability	(%)		±1		
Long Time Power Stability	(%)		±2		
Switching ON Time	(μs)		≤30		
Laser Shutdown Time	(ms)		100~200		
Power Regulation Range	(%)	10		100	
Beam Quality	(M^2)			1.1	
Modulation Frequency	(KHz)			5	100% Output
Red Light Power	(mw)		40	60	
Output Connector			QBH/QCS		
Output Fiber Core Diameter	(μm)		14		Customizable
Output Fiber Length	(m)		3		Customizable
Output Cable Bending Radius	(mm)	200			
Work Model			Continuous/Modulation		CW/Modulate
State Of Polarization			Random		Random
Communication Interface			RS232/Ad /Super Terminal		
Remote Communication			Mini Program		Customizable
Power Supply	(V)		220		External,Optional
Power Consumption	(W)		880		CYL-200A
			1760		CYL-500A
Cooling Mode			Air Cooled		
Working Ambient Temperature	(°C)	10		40	
Working Environment Humidity	(%)	10		85	
Storage Temperature	(°C)	-10		60	
Structure			Rack		
Laser Weight	（Kg）		9/12		200W / 500W
Laser Dimensions (W)×(L)×(H)	(mm)		285×285×108		200W / 500W
Power Supply Dimensions(W)×(L)×(H)	(mm)		220 x 85 x 48 191 x 117 x 47		200W 500W

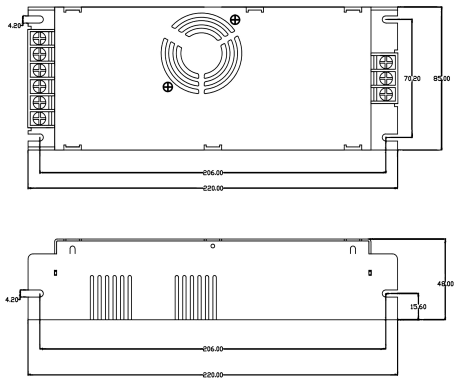
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〉LASER DIMENSIONS

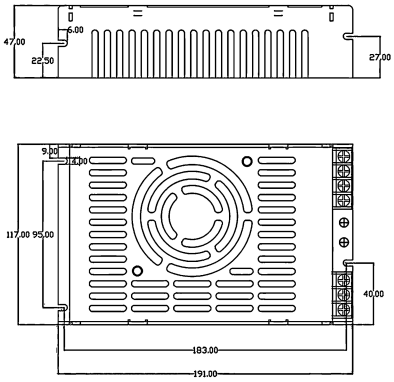


CYL-200A / CYL-500A

〉POWER SUPPLY DIMENSIONS



CYL-200A



CYL-500A

(Unit:mm)

DANGER - INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT