

CDL/F-2000W Fiber Output Direct Diode Laser

› PRODUCT FEATURE AND SPECIFICATIONS:



- High wall plug efficiency, greatly reduce power consumption
- Short wavelength, metal has a higher absorption rate for short-wavelength lasers
- Can accommodate welding, cladding and surface heat treatment at the same time
- High lifetime, high safety and reliability
- Can be personalized customization
- Excellent after-sales service system
- Excellent cost performance

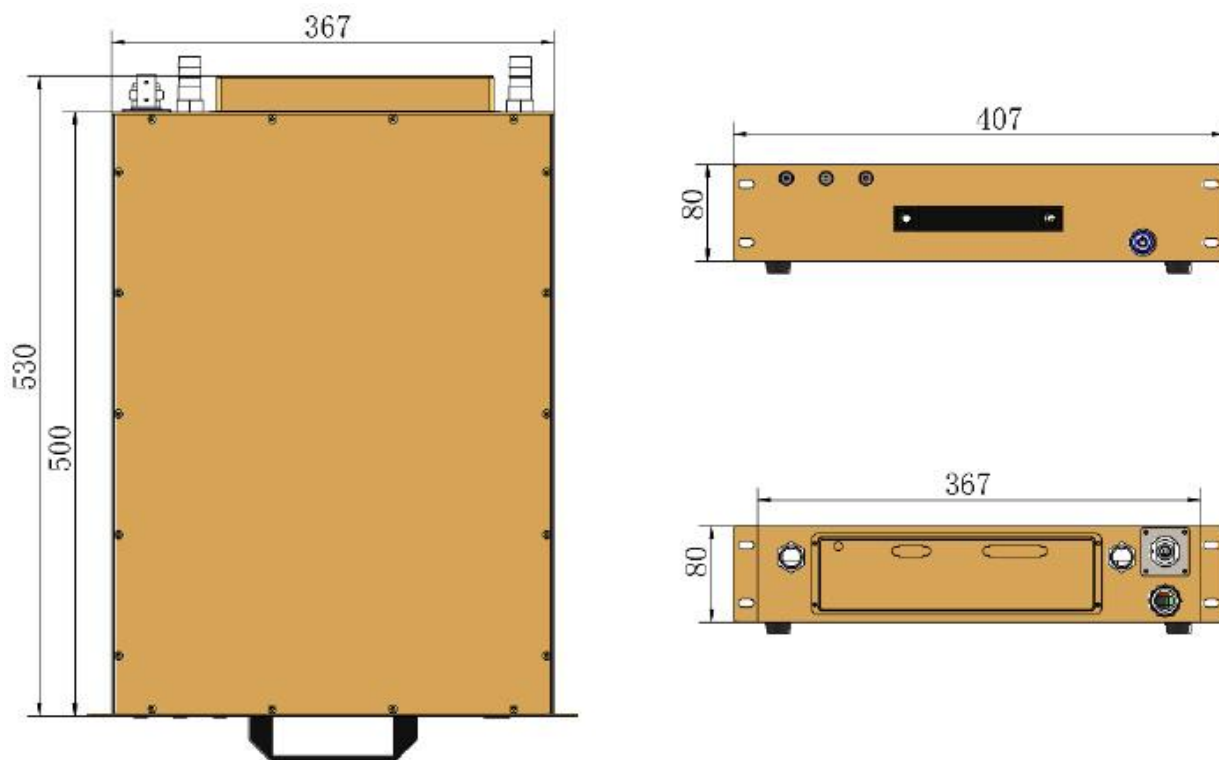
- Laser welding
- Laser cladding
- Laser brazing
- Laser melting deposition

CINA LASER CDL / F-2000W series fiber output direct diode laser, with higher electro-optic conversion efficiency, and more competitive price. Laser through fiber flexible output, more suitable for portable, or intelligent equipment integrated applications, suitable for stainless steel, carbon steel, aluminum, copper and other metal materials cladding, welding, drilling. It is widely used in the fields of sheet metal welding, metal processing, home appliance manufacturing and automobile manufacturing.

Performance	Unit	Min.	Typ.	Max.	Remarks
Central wavelength	(nm)	965	976	985	976nm
Spectral bandwidth (-3dB)	(nm)		3	5	
Output optical power	(W)	2000			CDL/F-2000
Power ADJ. range	(%)	10		100	
Output power stability	(%)		1 2	1.5 3	100% continuous > 1h 100% continuous > 24h
Beam Quality	(rad)		≤0.22		2000W
Modulation frequency	(KHz)			20	100% output
Red light power	(mW)	0.3		1.0	
Output connector			QBH		Customizable
Output fiber core diameter	(μm)		600		2000W
Output fiber length	(m)	5	10	15	Customizable
Output fiber bending radius	(mm)	200			
Work mode		Continuous/Modulation			CW/Modulate
State of polarization		Random			Random
Communication interface		RS232 / AD / Super terminal			
Remote telecommunication		APP			Customizable
Power supply	(V)	200	220	240	
Power consumption	(KW)			8.8	2000W
Cooling mode		Water cooling			Circumscribed
Temperature of cooling water	(°C)	21		25	
Working ambient temperature	(°C)	10		40	
Working ambient humidity	(%)	10		85	
Storage temperature	(°C)	-10		60	
Weight	(kg)		28.5		
Structure		19' Rack			
Size (W) × (L) × (H)	(mm)	407(367)×530(500)×80			2000W

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› DIMENSIONS



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