

CDL/F-4000W~6000W 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

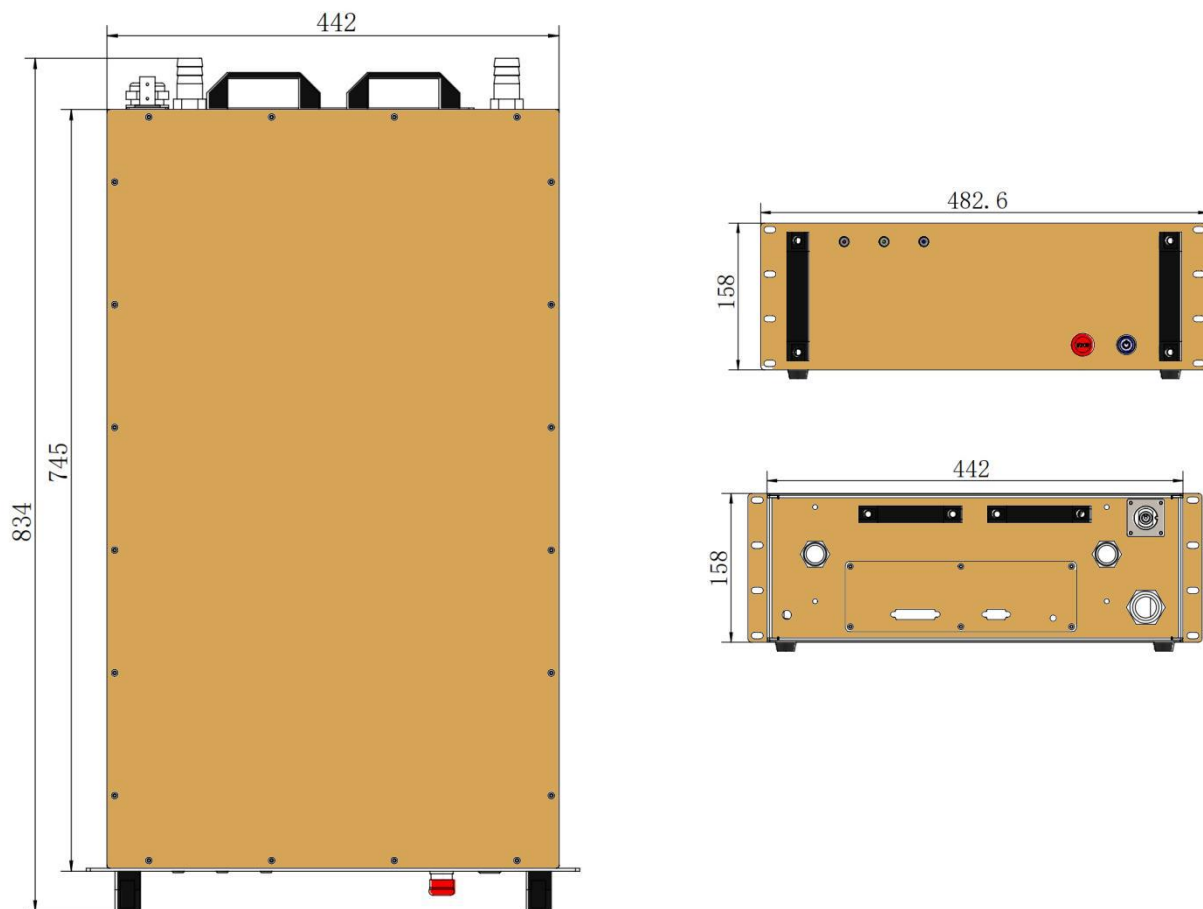
- Laser welding
- Laser cladding
- Laser brazing
- Laser melting deposition

CINA LASER CDL / F-4000W~6000W 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	975	985	975nm
Spectral Bandwidth (-3dB)	(nm)		3	5	
Output Optical Power	(W)		4000 5000 6000		
Power ADJ. Range	(%)	10		100	
Output Power Stability	(%)		1 2	1.5 3	100% Continuous > 1h 100% Continuous > 24h
Fiber numerical aperture	(NA)		0.22		4000W~6000W
Modulation Frequency	(KHz)			20	100% Output
Red Light Power	(mW)	40		80	
Output Connector			QBH		Customizable
Output Fiber Core Diameter	(μm)		600		400、600、800 Optional
Output Fiber Length	(m)		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)		220/380		Circumscribed
Power Consumption	(KW)		10-12		4000W~6000W
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)		<75 <90		4000W 6000W
Structure			19' Rack		
Size (W) × (L) × (H)	(mm)		745 x 482.6 x 158		4000W~6000W

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› DIMENSIONS



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