

PYL/N 500-2000W High Power Mopa Fiber Laser Source

› PRODUCT FEATURE AND SPECIFICATIONS:



- Deep Engraving
- Foil Cutting
- Ablation
- Surface Treatment
- Paint Removal
- Spot Welding
- Paint Stripping
- Coating Removal
- Texturing
- High Speed Marking
- Trimming
- Coating Removal
- Scribing
- Surface Treatment
- Texturing
- High Speed Cutting
- High Speed Engraving

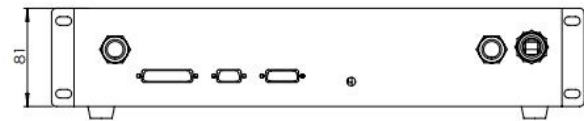
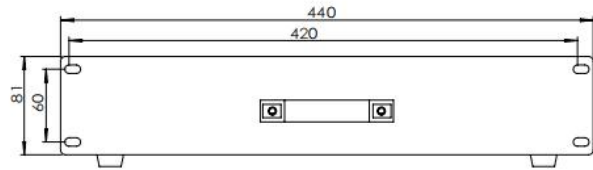
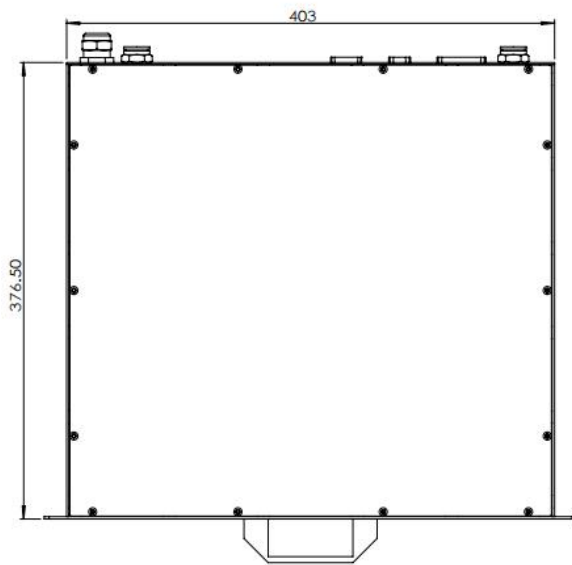
CINA Laser PYL/N nanosecond ytterbium fiber lasers provide average output power up to 2000 W and adjustable pulse waveforms in the range of 30-500 ns. The lasers are triggered externally in a wide range of pulse repetition rates 1-4000 kHz, offers pulse energy of up to 50 mJ and the ability to scale average power independent of the energy.

PYL/N lasers are small air-cooled maintenance-free modules designed for OEM applications and make use of master oscillator power amplifier (MOPA) configuration, and show excellent laser performance as well as high level of temporal pulse shaping controllability. As compared to the Q-switching technology, the pulse repetition frequency (PRF) and pulse width can be controlled independently in MOPA configuration, through adjusting different combination of the above parameters, the peak power of laser can be well maintained. So suitable for more material processing which Q-switch limited. The higher output power makes its advantages especially in high speed marking applications.

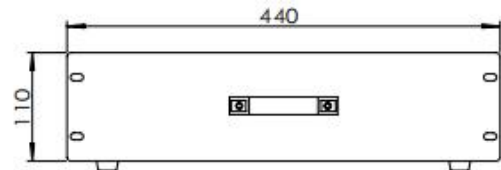
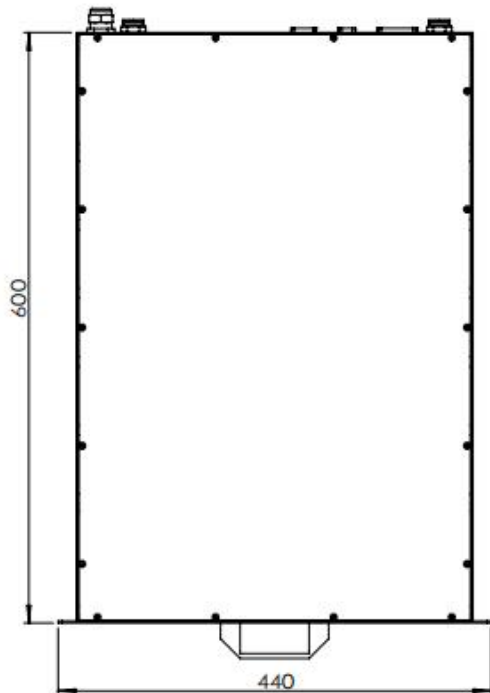
	Unit	Parameter	Remarks
Product Model		PYL/N-500W/2000W-M/M	
M2		<1.6	
Armored Cable Length	m	5	Customizable
Nominal Average Output Power	W	500/1000/2000	500W/1000W/2000W
Maximum Pulse Energy	mJ	2	50, Customizable
Pulse Repetition Rate Range	kHz	1 ~ 4000	
Pulse Duration	ns	30~500	
Output Power Stability	%	<5	
Cooling Method		Water Cooled	
Supply DC Voltage (VDC)	V	48/220/380	500W/1000W/2000W
Maximum Power Consumption	W	1700/4000/8000	500W/1000W/2000W
Environmental Supply Current	A	>35	
Central Emission Wavelength	nm	1064	
Emission Bandwidth@3dB	nm	<20	
Polarization Orientation		Random	
Anti-high Reflection		Yes	
Output Beam Diameter	mm	7±1.0	
Output Power Tuning Range	%	0 ~ 100	
Operation Temperature	°C	0 ~ 40	
Storage Temperature	°C	-10 ~ 60	
Weight	KG	15/30/55	500W/1000W/2000W
Dimensions(L×W×H)	mm	376.5x403x81 / 600x440x110 / 800x483x150	500W/1000W/2000W

PYL/N 500-2000W High Power Mopa Fiber Laser Source

› DIMENSION

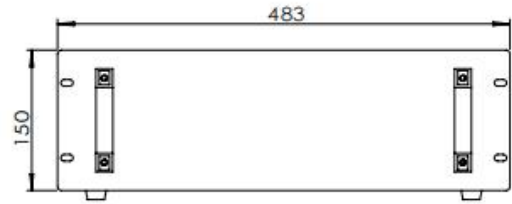
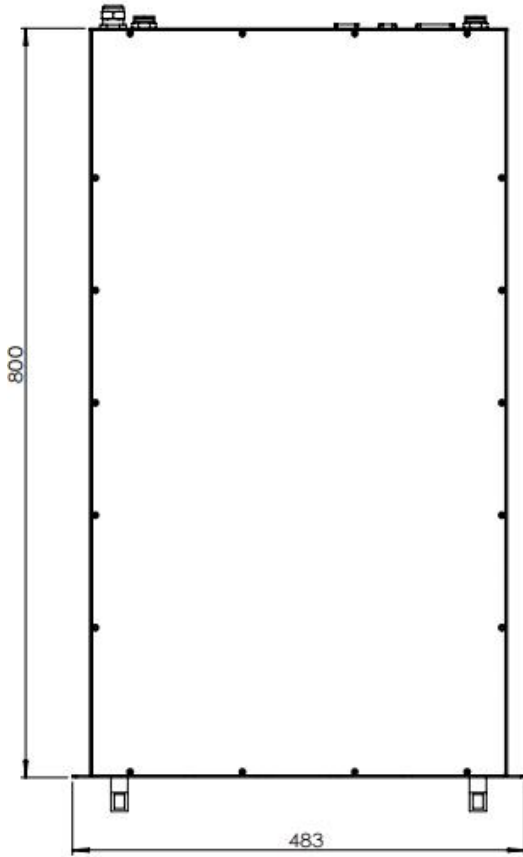


500W



1000W

PYL/N 500-2000W High Power Mopa Fiber Laser Source



2000W

ORDER INFORMATION

P **Y** **L** / **n** - **□** **□** **□** **W** - **M** / **M** - **I** **S** **O** / **0** **2** - **A** / **R**

Mode of Operation	Wavelength	Type	Pulse Width	Average Power	Modulation Method	Product Series	Output Connector	Armord Cable Length	Cooling Method	Red Lith
P Pulse	Y 1.0μm (YDF)	L Laser	n ns	500 500W	M MOPA	M Full Function	ISO ISO	02 2m	A Air Cooled	R Have
						C Cleaning	QCS QCS	03 3m		
Q QCW	E 1.5μm (EDF)	S Seed	p ps	1000 1000W	Q Q-Modulation	T High Peak Power	QBH QBH	05 5m	W Water Cooled	N None
C CW	T 2.0μm (TDF)	A Amplifier	f fs	2000 2000W	L Single Pulse Width Pulse Width Non-adjustable		10 10m			