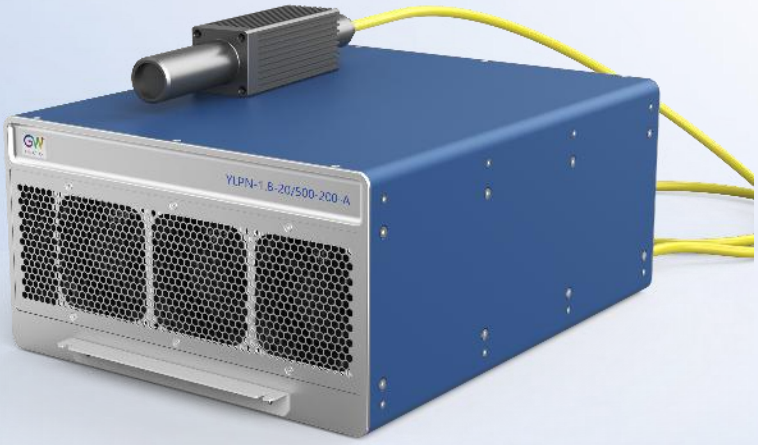
LASER TECH™



Ns Pulsed Fiber Lasers

YLPN-1.8-2/500-250-F

MOPA pulsed fiber laser is constructed with a master oscillator and high power fiber amplifier (MOPA). Easy to operate, overall maintenance-free, compared with Q-switched fiber lasers, MOPA fiber lasers have adjustable pulse width and can still maintain peak power at high frequencies, widely used in laser cleaning, precision spot welding and precision cutting.

Advantages

- New thermal design,more reliable,longer working time;
- MOPA construction, pulse width 2-500ns adjustable, maximum single pulse energy 1.8mJ;
- PRF and PW can be controlled independently;
- AC or DC input optional.

Applications

Widely used in new energy battery welding, cleaning and cutting fields, the specific applications are pole cutting, blue film cleaning, pole cleaning, battery parts before welding cleaning (including cover plate, liquid injection hole, pole), pole laser drilling, laser marking and precision spot welding.

The professional performance laser series of GW is aimed at customers who have the pursuit of product performance indicators, the replacement of imported products or the product functionality requirements. Product design to the first-line brand, with better product performance indicators, perfect functions, design redundancy is greater, to provide customers with more value-added space.

- Multi-power optional, compact structure
- PRF and PW can be controlled independently
- Perfect laser characteristics and good pulse shape control
- Easy to operate and maintenance-free

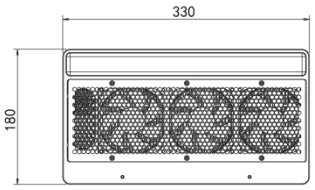
High frequency, peak power	Blue film cleaning	Pole cutting	Pole plate cleaning

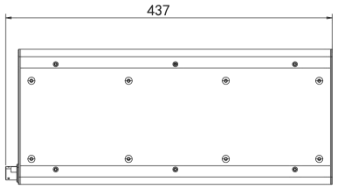
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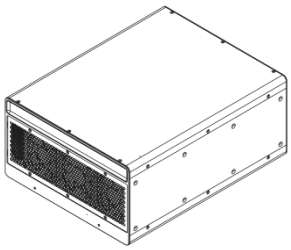
YLPN-1.8-2/500-250-F

Product specification parameter	YLPN-1.8-2/500-250-F
Output Power (watt)	250
Operating Mode	Pulse
Output Power Range (%)	1-100
Output Laser Wavelength (nm)	1080±10
Beam Quality	$M^2 \leq 1.7$
Pulse Width (ns)	2-500
Power Stability	< 5%
Frequency Adjustable Range (kHz)	1-4000
Ambient Temperature Range (℃)	0-40
Input Voltage	48VDC/220VAC 50Hz
Dimension (mm)	420 x 180 x 330 (L×W×H)
Weight (kg)	< 25

Unit: mm







Legal Notice: All product information is believed to be accurate and subject to change without notice.

Legal statement:

GW smart fiber laser products are designed in strict accordance with safety regulations. All production is in accordance with international standards and regulations currently in force in the country. Each GW laser has a warning sign as shown in the figure.





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