

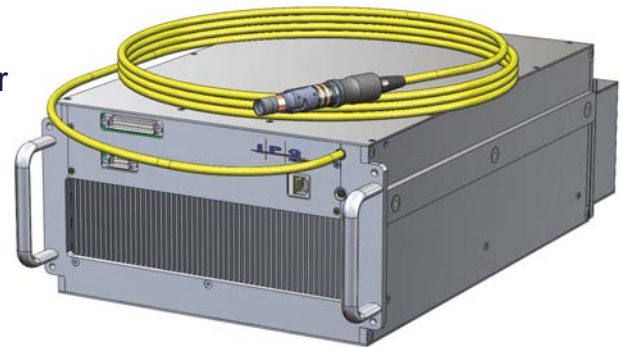
YLM FIBER LASER SINGLE-MODE 2012 SERIES



The Power to Transform[®] using CW Ytterbium Single-mode Fiber Laser Modules

**NEW
PRODUCT**

IPG Photonics presents new fiber laser modules available for OEM's and system integrators; these compact units are available in air-cooled or water-cooled modules and allow for easy integration. In addition, IPG's CW Ytterbium fiber laser modules can be ordered for multi-mode operation or with step index fibers from 50 – 200 microns. This allows optimal performance for critical welding, cutting and drilling applications.



Air-cooled Laser Modules

Features:

- Cost Effective, Compact OEM Solution
- Smart Control via Ethernet/ RS-232/ Analog
- Internal Pulse Generator, Software GUI
- Standard 48V DC Input Voltage
- Highly Efficient: > 30% Wall-plug Efficiency
- Perfect Beam Quality $M^2 < 1.05$



Water-cooled Modules

Typical Applications:

- Fine Cutting
- Sintering
- Engraving
- Welding



YLM-SM Series CW Ytterbium Single-mode Fiber Laser Modules

YLM-200-AC	YLM-300-AC	YLM-400-AC
YLM-200-WC	YLM-300-WC	YLM-400-WC

1.0 Optical Characteristics

Mode of Operation	CW		
Polarization State	Random		
Nom. Power, W	200	300	400
Max. Modulation Frequency, kHz	50		
Emission Wavelength, nm	1070		
Output Power Stability, %	±0.5		
BPP, mm x mrad	0.37		
Output Fiber Type	Single-mode		

2.0 General Characteristics

Dimensions W x D x H, mm	AC*	256 x 435 x 148		
	WC	355 x 407 x 53		
Weight, kg	AC*	25		
	WC	20		
Operating Voltage, V DC		48		
Power Consumption, W		600	900	1200

* AC (Air-cooled)
WC (Water-cooled)

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