

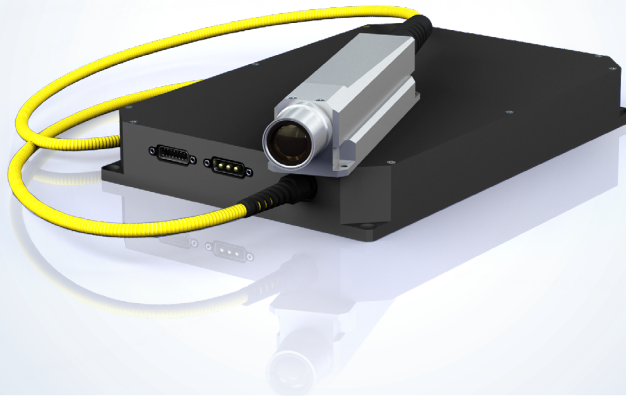


VLM Series

Visible CW Fiber Lasers

NEW PRODUCT

515-635 nm, up to 20 W



Applications

- ▶ Defense and Security
- ▶ Entertainment
- ▶ Material Processing
- ▶ Medical Diagnostics/Therapy
- ▶ Holography
- ▶ Spectroscopy
- ▶ Flow Cytometry



Features

- ▶ Choice of Wavelength 515-635 nm
- ▶ Output Power up to 20 W
- ▶ Beam Quality $M^2=1.1$
- ▶ High Reliability
- ▶ Compact and Low Cost
- ▶ Industrial Performance

IPG Photonics' NEW VLM Series is a family of highly-efficient, single-mode, visible CW fiber lasers with output powers up to 20 W. Customers can select a central wavelength in the range 515-635 nm. VLM series lasers are based on IPG's efficient and reliable fiber laser technologies and feature a super-compact lightweight optical head, connected with a fiber cable to a small air-cooled control module. The all fiber construction allows for full range of output power without changes in power stability and beam mode parameters.

VLM Series

Visible CW Fiber Lasers

Optical Characteristics

Typical Central Wavelength*, nm	515, 530, 590, 615, 635
Linewidth FWHM, nm	0.1
Mode of Operation	CW
Average Power, W	up to 20
Power Tunability, %	10-100
Power Stability**, %	±1
Polarization	Linear
Beam Quality, M ²	1.1
Output Beam Diameter (1/e ²), mm	<2

*Custom central wavelengths in 515-630 nm range are available upon request

**Over 5 hours, T= const

General Characteristics

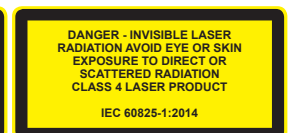
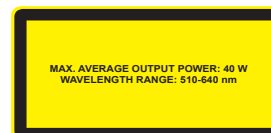
Module Dimensions*** (W × D × H), mm	325 × 217 × 43
Optical Head Dimensions (W × D × H), mm	50 × 233 × 46
Cooling	Air-cooled, Thermoconductive Bottom
Supply Voltage, VDC	24
Power Consumption, W	<480

***Rack-mountable units with AC power are available upon request

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