

GLPN-100-M

QCW Green Single-mode Fiber Laser

NEW PRODUCT



Applications

- ▶ Welding and Cutting of Highly-Reflective Metals
- ▶ Laser Shows
- ▶ Solar Cell Manufacturing
- ▶ Laser Projectors
- ▶ Semiconductor Wafer Annealing



Features

- ▶ Wavelength 532 nm
- ▶ Output Power 100 W
- ▶ Beam Quality $M^2 < 1.2$
- ▶ Power Stability 1%
- ▶ Power Consumption 530 W
- ▶ Linear Polarization >100:1
- ▶ Compact and Low Cost
- ▶ OEM Package

IPG Photonics introduces a cost-effective industrial-grade OEM modular version of the popular high power, single-mode green fiber laser with 100 W maximum output power. **IPG's GLPN-100-M** utilizes efficient and reliable fiber laser technologies and takes advantage of the quasi-CW mode of operation to achieve a low power consumption and small footprint. The GLPN-100-M features a super compact optical head and an air-cooled laser module connected by a fiber cable. With no additional cooling requirements and improved tolerance to vibrations, IPG's GLPN-100-M is ready for integration into OEM systems.

GLPN-100-M

QCW Green Single-mode Fiber Laser

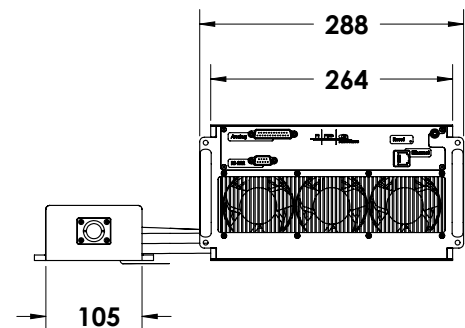
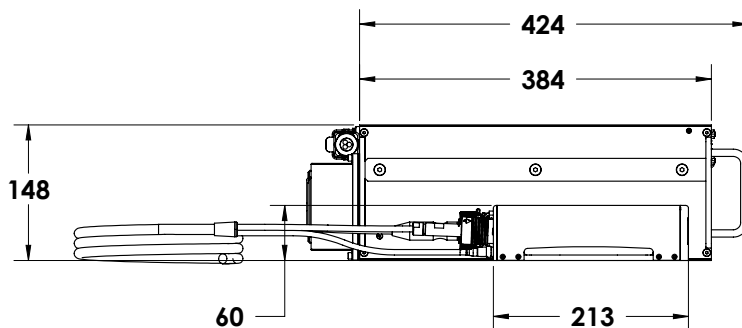
Optical Characteristics

Wavelength, nm	532
Mode of Operation	Pulsed/ Quasi CW
Repetition Rate, MHz	30
Average Power, W	100
Power Tunability, %	2-100
Pulse Duration, ns	1.5
Power Stability*, %	±0.5
Polarization	Linear, >100: 1
Beam Quality, M ²	TEM ₀₀ , <1.2

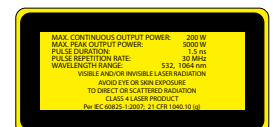
* Over 8 hours, T=const

General Characteristics

Module Dimensions, mm	264 x 148 x 384
Optical Head Dimensions, mm	105 x 60 x 213
Cooling	Air-cooled
Supply Voltage, VDC	40
Power Consumption, W	530



+1 (508) 373-1100
 sales.us@ipgphotonics.com
www.ipgphotonics.com



Legal notices: All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind IPG only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with use of a product or its application. IPG, IPG Photonics, The Power to Transform and IPG Photonics' logo are trademarks of IPG Photonics Corporation. © 2014 IPG Photonics Corporation. All rights reserved.

The Power to Transform®