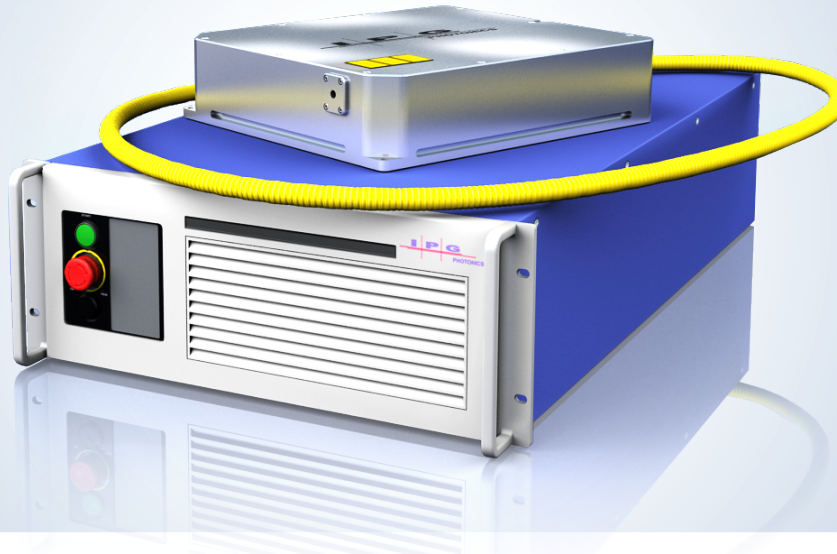


ULPN-355-200-R

QCW UV Single-mode Fiber Laser

NEW PRODUCT



Applications

- ▶ Laser Direct Imaging (LDI)
- ▶ Solar Cell Manufacturing
- ▶ Wafer Scribing & Patterning
- ▶ LTPS Display Annealing
- ▶ Stereo Lithography
- ▶ Semiconductor Wafer & Mask Inspection



Features

- ▶ Wavelength 355 nm
- ▶ Output Power up to 200 W
- ▶ Beam Quality $M^2 < 1.3$
- ▶ Power Stability 1%
- ▶ Power Consumption 2800 W
- ▶ Linear Polarization >100:1
- ▶ Industrial Performance

IPG Photonics launches a new family of high power QCW UV single-mode fiber lasers operating at 355 nm with an average output power of up to 200 W. The ULPN-355-R series utilizes extremely reliable and efficient fiber laser technologies and exploits high repetition rate QCW operation regime to achieve unprecedented UV power levels with low power consumption and a compact footprint. All-fiber technology enables a wide range of operating output powers while maintaining single-mode beam quality and excellent power stability. The result is a rugged, industrial-grade, high power UV fiber laser with unmatched performance ready for implementation in various applications.

ULPN-355-200-R

QCW UV Single-mode Fiber Laser

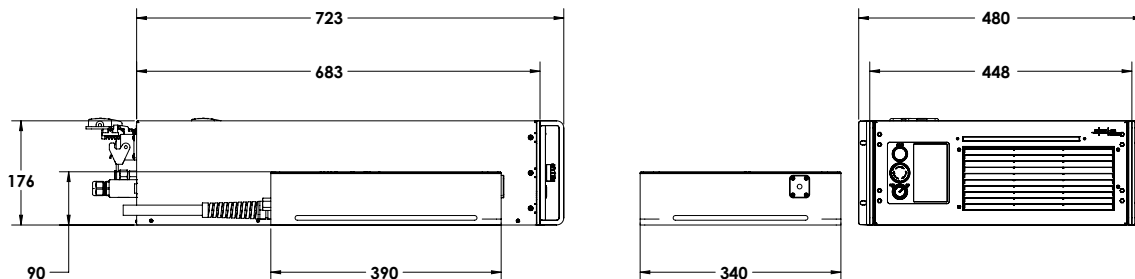
Optical Characteristics

	ULPN-355-50-R	ULPN-355-100-R	ULPN-355-200-R ¹
Wavelength, nm	355		
Mode of Operation	Pulsed/ Quasi-CW		
Repetition Rate, MHz	30	80	150
Average Power, W	50	100	200
Power Tunability, %	1-100		
Pulse Duration, ns	1.5		
Power Stability ² , %	±1.0		
Polarization	Linear, >100: 1		
Beam Quality, M ²	<1.3		

¹ Preliminary
² over 8 hours, T= const.

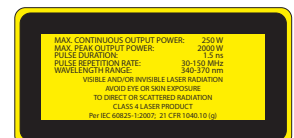
General Characteristics

Main Console Dimensions, mm	448 x 683 x 176		
Optical Head Dimensions, mm	340 x 390 x 90		
Cooling	Water-cooled		
Supply Voltage, VAC	200-240, 50-60 Hz		
Power Consumption, W	800	1500	2800



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The Power to Transform®