



DLM-QCW Series

Quasi-CW Diode Lasers

NEW PRODUCT



Applications

- ▶ Laser Dermatology
- ▶ Hair Removal
- ▶ Vascular Lesion
- ▶ Pigmented Lesion



Features

- ▶ Mode of Operation- Pulsed
- ▶ Output Peak Power- up to 6 kW
- ▶ Central Wavelength 895 nm
- ▶ Core Fiber Diameter 600 μm
- ▶ Air-cooling

IPG Photonics offers the DLM-QCW Series, a high power quasi-continuous wave (QCW) diode laser with a central wavelength of 895 nm and output peak power up to 6 kW. These OEM modules are designed for easy integration into laser medical systems for various applications such as hair removal, pigment and vascular lesion treatment. The DLM-QCW Series diode lasers deliver energy through a flexible 600 μm core diameter fiber for seamless integration into a hand-held applicator. Rack-mounted units with end-user friendly control interface and integrated AC power supply are also available for R&D applications.

DLM-QCW Series

Quasi-CW Diode Lasers

Optical Characteristics	DLM-300/3000-QCW	DLM-600/6000-QCW
Wavelength, nm	895	
Mode of Operation	Pulsed	
Repetition Rate, Hz	Up to 10	
Max. Peak Power, W	3000	6000
Max. Average Power, W	200	300
Power Stability, %	±5	
Fiber Delivery Core Diameter, mm/NA	0.6/0.22	
Beam Quality, M ²	<2	

General Characteristics		
Dimensions (W × D × H), mm	336 × 435 × 148	411 × 509 × 85
Weight, kg	<25	<35
Cooling	Air-cooled	
Supply Voltage, VDC	48	
CW Power Consumption, W		
Pulsed Power Consumption, W		

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MAX. AVERAGE OUTPUT POWER: 50 W
 MAX. PEAK OUTPUT POWER: 25 kW
 PULSE DURATION: 4-200 ns
 PULSE REPETITION RATE: 2-1000 kHz
 WAVELENGTH RANGE: 1000-1200 nm

DANGER - INVISIBLE LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 4 LASER PRODUCT
 IEC 60825-1:2014

The Power to Transform®