

Fiber Laser Systems



Fiber laser 100W systems

Fiber laser 100W

Features

- CW Power Output (max.) 100W
- Wavelength length 1070nm
- Spectral Width (FWHM) +/-10nm
- Single mode
- $M^2 \sim 1.1$
- Beam Divergence ~ 0.06 NA
- Input voltage 110-220VAC

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Typical Specifications

General Spec.	Type	Units
CW power output (max.)	100	W
Polarization	Random	
Collimated beam diameter	1, 5, 8, (custom)	mm
Cooling method	Air cool	

Case operating temperature	10-30	Celsius
Case storage temperature	-10 to 60	Celsius
Weight	60	lb
Minimum fiber Bend radius	150	mm

* The numerical aperture of the output beam is defined as the sine of the half-angle of the divergence cone that encircles 90% of the energy.

** The termination is an SMA-905 male, fiber-optic connector.



Fiber laser 400W systems

Fiber laser 400W

Features

- CW Power Output (max.) 400W
- Wavelength length 1070+/-10nm
- $M^2 \sim 1.1$
- Power tuning range 10-100%
- Input voltage 110-220VAC

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Typical Specifications

General Spec.	Type	Units
CW power output (max.)	400	W
Polarization	Random	
Rise/fall time	less 5	us
Max modulation frequency	100	kHz
Collimated beam diameter	1, 5, 8, (custom)	mm
Delivery fiber length	8-10 (or custom)	m
Cooling method	Water	

Max power consumption	2200	W
Case operating temperature	10-40 (water: 15-25 deg)	Celsius
Case storage temperature	-10 to 60	Celsius
Pilot beam	Red	
External control	Analogue	
Dimension	500X480X180	mm
Weight	48	kg
Minimum fiber bend radius	150	mm



Fiber laser 500W systems

Fiber laser 500W

Features

- CW Power Output (max.) 500W
- Wavelength length 1080+/-10nm
- $M^2 \sim 1.3$
- Power tuning range 10-100%
- Input voltage 110-240VAC

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Typical Specifications

General Spec.	Type	Units
CW power output (max.)	500	W
Polarization	Random	
Rise/fall time	less 5	us
Max modulation frequency	100	kHz
Collimated beam diameter	1, 5, 8, (custom)	mm
Delivery fiber length	8-10 (or custom)	m
Cooling method	Water	

Max Power Consumption	2200	W
Case operating temperature	10-40 (water: 15-25 deg)	Celsius
Case storage temperature	-10 to 60	Celsius
Dimension	500X480X180	mm
Minimum fiber bend radius	150	mm

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