

## Fiber Laser CF6000

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Main advantages in installing fiber lasers include:

- ✓ Flexible laser beam delivery, up to 30 m delivery fiber length
- ✓ High electro-optical efficiency, over 30% wall-plug efficiency
- ✓ Patented high speed electronic shutter [200 ms]



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# CF6000

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[Technical data](#)

Nominal Output Power		6000W
Power Range		600W – 6300W
Power Stability		Typ. ± 1%
Pulsing Frequency		0 -5 kHz
Wavelength		1070nm - 1080nm
Polarization		Random
Feeding fiber core diameter		100 µm
Beam Parameter Product (1/e <sub>2</sub> )		3.2 mm*mrad – 3.8 mm*mrad
Feeding fiber length		20 m or 30 m
Minimum bend radius		200 mm
Output connector		QBH
Electronic Shutter		200 ms
Safety		PLe
Diode Pointing Laser		Wavelength 635/658 nm Power <1 mW
Electrical Power Consumption		20 kW - 22 kW EOL
Voltage		360/510 Vac 3P
Operating Environment (min/max)		5° C / 50° C
Relative Humidity		< 95% non-condensing
Laser Cooling 35% Glycol Mix	Cooling Cap.	14 kW*
	Pressure	7 Bar
	Flow	60 l/Min
	Temp.	20 ° C ±1
Process Fiber Cooling	Cooling Cap.	0.3 kW
	Pressure	6 Bar
	Flow	1 l/Min
	Temp	27° C - 33° C
Dimensions W / H / L		1143 mm / 1320 mm/ 1879 mm

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