

1560nm High Repetition rate Femtosecond Pulse Fiber Laser

FEMTOSECOND FIBER LASERS



The E-Fiber series of ultrafast lasers incorporate the latest femtosecond laser technology, utilizing high-performance rare-earth fibers as the working medium. Combined with high-precision dispersion compensation technology and an active servo system, they achieve stable output of high repetition rate femtosecond pulse lasers in the 1560nm wavelength band. With one-button auto-start, they ensure long-term stable operation and are maintenance-free. These lasers are characterized by extremely narrow laser pulses and high peak power, making them widely applicable in fields such as optical frequency combs, supercontinuum generation, terahertz (THz) technologies, and more. Customization of parameters including pulse width, power, repetition rate, and others, is available upon request.

- Pulse Duration 50~500 fs
- Repetition Rate 200MHz~1GHz Customizable
- Robust and reliable
- Compact and turnkey
- Applications
- Optical frequency comb
- Supercontinuum generation
- Ultrafast Optics

Specifications

Parameter	Specification
Wavelength (nm)	1560±10
Optical spectrum width (nm)	20
Pulse Duration (fs)	50 ~ 500
Output Power (mW)	1 ~ 200
Power Instability	< ±1%
Repetition Rate (MHz)	≥ 200
Repetition Rate Instability (Hz)	< 200
Pulse Energy (nJ)	> 1
Polarization	Linear polarization
Fiber	PM1550, FC/APC
Warm time (min)	< 1

* Pulse Duration: Customizable

* Output Power: Customizable

* Repetition Rate: Customizable 200MHz~1GHz

* Fiber: Slow axis alignment

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.