

EDFL1600-Spesifications



Features

- Up to 2 W Output Average Power
- 90 fs Pulse Width
- MOPA architecture
- Compact and Low Cost
- Industrial Performance
- Maintenance-Free
- Carry a 1-year Guarantee

Applications

- Supercontinuum Generation
- Terahertz Generation
- Spectroscopy
- Material Processing
- Medical Diagnosis

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- Material Processing
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- Terahertz Generation

CoreWave's EDFL1600 is an innovative and competing product which provides the customer with ultra-short output pulses as short as 90 fs and output average powers up to 2 W at the central wavelength of 1600 nm. This robust and compact femtosecond fiber laser system is a powerful laser machine which integrates the latest achievements in femtosecond technology into a commercial product. From material processing to spectroscopy and THz physics, this effective solution addresses a wide range of demand. The laser is maintenance-free and ready to use at the press of a single button.

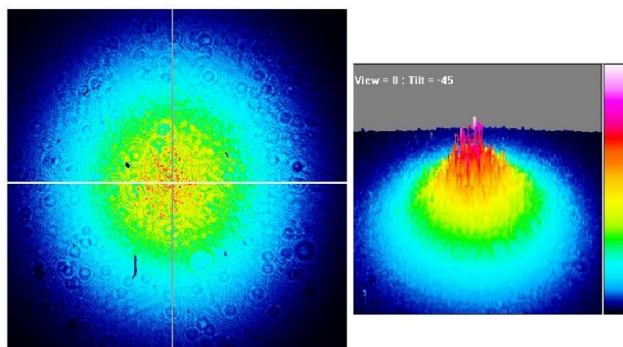
Output Specifications

Parameter	Value	Note
Central Wavelength	1600 nm	-
Output Line width (FWHM)	85 nm	-
Output Average Power	≥ 2 W	-
Output Pulse Energy	≥ 38 nj	-
Output Pulse Width	≤ 90 fs	between 0.9W and 2W output power
Repetition Rate	52 MHz	Under the customer request
Polarization	Non polarized	Under the customer request
Beam Quality (M^2)	≤ 1.5	-

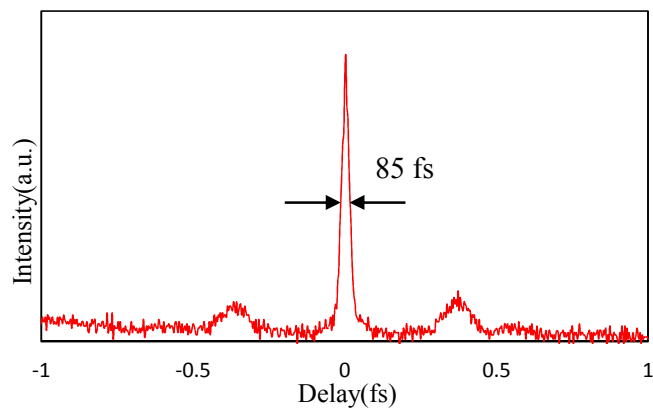
Electrical and Mechanical Specifications

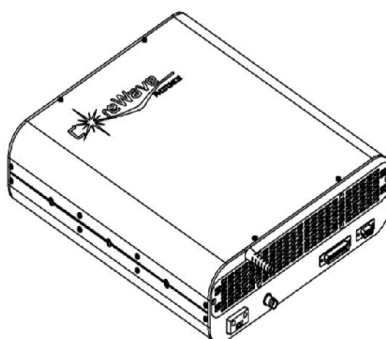
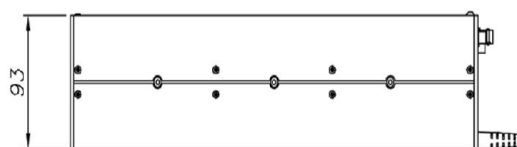
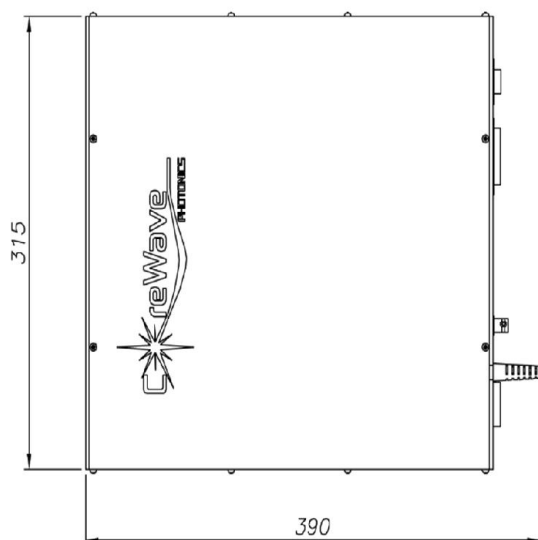
Parameter	Value	Note
Operating Temperature	20 ~ 35 (C°)	-
Cooling	Air-cooled	-
Output Fiber	70 cm Long SM Fiber	-
Operating Voltage	220 V @ 50 Hz	-
Power Consumption	≤ 20 W	-
Dimensions	350×315×90 mm	-

Beam Profile



Autocorrelation Trace





Made In Iran

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