

# 1500W-3000W CW Fiber Lasers

Everfoton's CW Fiber Lasers feature high wall-plug efficiency, multi-stages anti-back reflection protection, and compact design. They are easy to integrate into existing cutting systems with compatible control interfaces. Customers could also choose our optimized beam quality lasers for both faster cutting and better cutting quality.



## Applications

- Sheet metal machining-cutting

## Characteristics

- High wall-plug efficiency
- High modulation frequency
- High speed cutting of sheet metals
- Maintenance-free
- Multi-stages anti-back reflection protections

# Specifications

	Product Code	FFRC-1500-C	FFRC-2000-C	FFRC-3000-C
<b>Optical Parameters</b>	Output Power (W)	1500	2000	3000
	Operating Mode	CW / Modulated		
	Polarization State	Random		
	Output Power Tunability (%)	10 - 100		
	Beam Quality BPP (mm x mrad)	< 2.0		
	Output Power Instability 25°C (%)	< 2 (2 hours)		
	Emission Wavelength (nm)	1080 ± 5		
	Spectrum Width FWHM (nm)	< 4		
	Modulation Frequency (kHz)	5		
	Red Laser Power (µW)	> 200		
<b>Fiber Delivery Cable Parameters</b>	Output Type	QBH		
	Length (m)	15		
	Core Diameter (µm)	50		
	Minimum Bending Radius (mm)	200		
<b>Electrical Characteristics</b>	Operating Voltage (VAC)	200 - 240, 1PH 50 / 60Hz		340 - 420, 3P5W 50 / 60Hz
	Max Power Consumption (kW)	5	6.5	9
	Control Mode	RS232 / AD / Ethernet		
<b>Other Characteristics</b>	Operating Temperature(°C)	10 - 40		
	Humidity (%)	10 - 80		
	Cooling Method	Water Cooled		
	Water-cooling Temperature (°C)	25 ± 1		
	Water-cooling Flow (L/min)	> 20 (Laser) 1.5 - 2.5 (QBH)		> 30 (Laser) 1.5 - 2.5 (QBH)
	Water-cooling Pressure (Bar)	3 - 5		
	Joint Diameter (mm)	12	16	
	Dimension (mm)	W482 x D575 x H133 (Include Handles)		
	Weight (kg)	30 ± 3	40 ± 3	50 ± 3