

1500-2000W CW Fiber Laser

Everfoton's CW Fiber Laser has the characteristics of high electro-optical efficiency, multiple protection against high reflection, compact structure and convenient system integration. Depending on the application, customers can choose different fiber output core size and laser beam mode.



Applications

- Laser cutting



Characteristics

- Catering to IP66 industrial environment
- Convenient control interface, easy integration
- High electro-optical efficiency and maintenance-free

SPECIFICATIONS

Optical Characteristics

Model	FFRC-1500-E	FFRC-2000-E
Output Power (W)	1500	2000
Operating Mode	CW / Modulated	
Polarization	Random	
Power Range (%)	10 - 100	
Beam Quality BPP (mm x mrad)	< 2	
Output Power Instability at 25°C (%)	< ±1.5 (2 Hours)	
Central Wavelength (nm)	1080 ± 5	
Spectrum Width FWHM (nm)	< 6	
Modulation Frequency (kHz)	5	
Red Laser Power (µW)	> 200	

Output Cable Parameters

Output Mode	QBH
Output Fiber Core Diameter (µm)	50
Cable Length (m)	15
Bending Radius of Cable (mm)	200

Electrical Characteristics

Operating Voltage (VAC)	200 - 240V, 1PH 50 / 60Hz	
Rated Power Consumption (kW)	5	6
Control Mode	AD	

Other Parameters

Operating Temperature (°C)	10 - 40	
Relative 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)	
Water-cooling Pressure (Bar)	3 - 5	
Joint Diameter (mm)	12	
Dimensions (W*D*H) (mm)	482 x 450 x 105 (including handle)	
Weight (kg)	25 ± 3	30 ± 3