

350W-500W Portable CW Fiber Lasers

Everfoton's Portable CW Fiber Lasers are characterized by its unique air-cooling and lightweight design, which enables a high beam quality laser output and a stable power output in high temperature environment and is maintenance-free. 24V or 48V DC power supply is available for customers to configure power supply and system integration flexibly. It is a portable product that can fulfill outdoor applications.



Applications

- Outdoor applications
- Laser cleaning
- Precision machining

Characteristics

- Air-cooling and lightweight
- 24V/48V DC flexibly configured power supply
- Small in volume
- Wide working temperature range
- High beam quality
- Stable laser output in high temperature environment

Specifications

	Product Code	FFRC-350-P	FFRC-500-P
Optical Parameters	Output Power (W)	350	500
	Operating Mode	CW / Modulated	
	Polarization State	Random	
	Output Power Tunability (%)	10 - 100	
	Beam Quality M ²	< 1.2	
	Output Power Instability 25°C (%)	< 4 (2 hours)	
	Emission Wavelength (nm)	1080 ± 5	
	Spectrum Width FWHM (nm)	< 4.0	
	Modulation Frequency (kHz)	5	
	Red Laser Power (µW)	> 200	
Fiber Delivery Cable Parameters	Output Type	RQB	
	Length (m)	3	
	Core Diameter (µm)	14	
	Minimum Bending Radius (mm)	200	
Electrical Characteristics	Operating Voltage (V)	42 - 55DC	
	Max Power Consumption (kW)	1.2	1.7
	Control Mode	RS232 / AD	
Other Characteristics	Temperature Range of Power Output (°C)	5 - 35	
	Operating Temperature (°C)	0 - 40	
	Humidity (%)	10 - 80	
	Cooling Method	Air Cooled	
	Storage Temperature (°C)	-10 to 60	
	Laser Warm-up Time (min)	< 10	
	Dimension (mm)	W325 x D348 x H133	
	Weight (kg)	9	10