

CW Fiber Laser for Hand-held Welding

Everfoton's CW Air-cooled Fiber Laser for Hand-held Welding features high electro-optical efficiency, and compact structure. The series supports Bluetooth monitoring. With single mode beam output and stability of welding penetration, it is especially suitable for 3mm plate sheet welding, and can adapt to a variety of extreme temperature working environment.



Applications

- Laser welding



Characteristics

- Good laser beam quality
- Convenient control interface, easy integration
- Bluetooth monitoring

SPECIFICATIONS

Optical Characteristics

Model	FFRC-15H-A
Operating Mode	CW / Modulated
Polarization	Random
Power Range (%)	10 - 100
Beam Quality (M ²)	1.3
Output Power Instability at 25°C (%)	< ±2.5
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)	20
Cable Length (m)	10
Bending Radius of Cable (mm)	200

Electrical Characteristics

Operating Voltage (VAC)	200 - 240V, 1PH 50 / 60Hz
Rated Power Consumption (kW)	4.5
Control Mode	AD

Other Parameters

Operating Temperature (°C)	0 - 45
Relative Humidity (%)	10 - 70
QBH Cooling Mode	Nitrogen / Argon Cooling
QBH Ventilation Flow (L/min)	5 - 10
Laser Size (W*D*H) (mm)	402 × 432 × 132
Power Supply Size (W*D*H) (mm)	180 × 300 × 49
Laser Weight (kg)	22 ± 2