12000W
CW Fiber Laser

FFSC-12000

Characteristics

- High wall-plug efficiency
- Flat top beam options
- Multi-stages anti-back reflection protections
- Less spatter in welding
- Compact design with small footprint

Applications

- Sheet metal processing-cutting
- Welding

Specifications

Product Code	FFSC-12000
Optical Parameters	
Output Power (W)	12000
Operating Mode	CW/Modulated
Polarization State	Random
Output Power Tunability (%)	10 - 100
Laser Beam Quality BPP(mm x mrad)	< 4.0 (100μm)
Output Power Instability 25℃ (%)	< 2 (2 hours)
Emission Wavelength (nm)	1080 ± 10
Spectrum Width FWHM (nm)	< 4
Modulation Frequency (kHz)	5
Duty Cycle (%)	10 - 100
Red Laser Power (μW)	> 200
Fiber Delivery Cable Parameters	
Output Type	QD
Length (m)	25
Core Diameter (μm)	100/150/200
Minimum Bending Radius (mm)	200
Electrical Characteristics	
Operating Voltage (VAC)	340 - 420, 3P5W, 50/60Hz
Max Power Consumption (kW)	36
Control Mode	RS232/AD/Ethernet
Other Characteristics	
Operating Temperature (℃)	10 - 40
Humidity (%)	10 - 80
Cooling Method	Water Cooled
Water-cooling Temperature (℃)	25 ± 1
Water-cooling Flow (L/min)	> 100 (Laser), 2 - 4 (QD)
Water-cooling Pressure (Bar)	5 - 6
Joint Diameter (mm)	32
Min Cooling Capacity (kW)	25
Dimension (mm)	W600 x D750 x H1100 (not include lights)
Weight (kg)	350 ± 15

EVERFOTON

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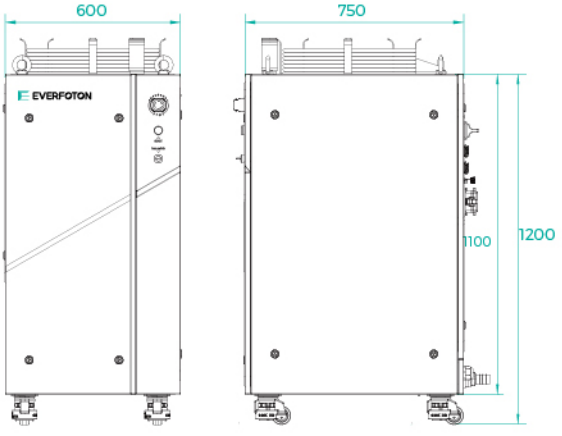
Product pictures and information are for reference only, the company reserves the right to modify the manual and products, please refer to the actual situation.

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