350-500W
Portable CW Fiber Lasers

FFRC-350-P/ FFRC-500-P

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

Applications

- Outdoor applications
- Laser cleaning
- Precision machining

Specifications

Product Code	FFRC-350-P	FFRC-500-P
Optical Parameters		
Output Power (W)	350	500
Operating Mode	CW	
Polarization State	Random	
Output Power Tunability (%)	10 - 100	
Beam Quality M^2	< 1.2	
Output Power Instability 25℃ (%)	< 4 (2 hours)	
Emission Wavelength (nm)	1080 ± 10	
Spectrum Width FWHM (nm)	< 4	
Red Laser Power (μW)	> 200	
Fiber Delivery Cable Parameters		
Output Type	RQB	
Length (m)	3 (Customized)	
Core Diameter (μm)	14	
Armor Cable Diameter (mm)	9	
Minimum Bending Radius (mm)	200	
Electrical Characteristics		
Operating Voltage (VDC)	42 - 55 , 20 - 30	
Max Power Consumption (kW)	1.2	1.7
Control Mode	RS232 , AD	
Other Characteristics		
Temperature Range of Full Power Output (℃)	5 - 35	
Operating Temperature (℃)	0 - 40	
Humidity (%)	10 - 80	
Cooling Method	Air Cooled	
Storage Temperature (℃)	-10 to 60	
Laser Warm-up Time (min)	< 10	
Dimension (mm)	W325 x D348 x H133	
Weight (kg)	9	10

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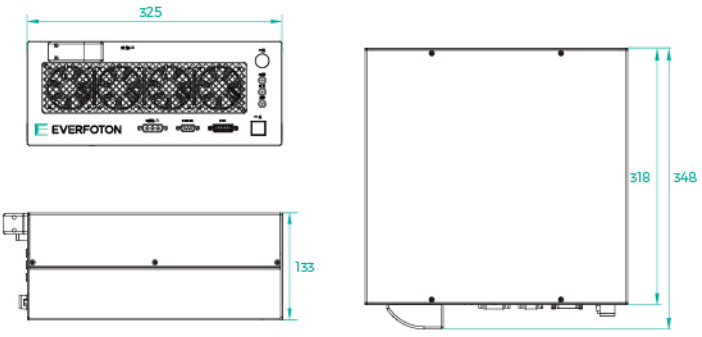
Product pictures and information are for reference only, the company reserves the right to modify the manual and products, please refer to the actual situation.

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