

RFL-C6000S-CE

Raycus Global Standard 6000W Single Module CW Fiber Laser

Data Sheet V1.0

Compared with traditional lasers, Raycus Global Standard CW fiber laser has higher electric-optical conversion efficiency, lower power consumption and excellent beam quality. The fiber laser is compact and ready to use. It can be used as a stand-alone unit or easily inserted into user's apparatus.



The new generation of CW lasers provides additional benefits, including high energy density, wide modulation frequency, strong reliability, long lifespan, and maintenance-free operation. It can be widely used in welding, precision cutting, cladding, surface treatment, 3D printing and other fields. In metal cutting applications, these lasers deliver more stable and precise cutting performance.

Product Features

- CE Certification
- Excellent Beam Quality
- High Quality Fiber Output
- High Power Stability
- Maintenance Free Operation
- High Electron-optical Efficiency
- Convenient Control Interface
- High Frequency Modulation

Product Applications

- ◆ Precision Cutting
- ◆ Metal Welding
- ◆ Sheet Metal Piercing
- ◆ Metal Carving
- ◆ Surface Treatment
- ◆ 3D Printing / Rapid Prototyping

Technical Specifications

Central wavelength	1075-1085 nm	Supply voltage	380V ± 10% V AC
Output power	6000 W	Operation mode	CW / Modulate
Power instability	±1.5 %	Control mode	Ethernet, RS-232, AD
Range of power	10-100 %	Dimensions	485x172x802 mm
Repetition frequency	1-5000 Hz	Weight	<80 kg
Beam quality	2.7~3.1 BPP	Operating temperature	10 - 40 °C
Terminal type	QBH (Customizable)	Storage temperature	-10 - 60 °C
Fiber length	20 m (Customizable)	Humidity	30~70 %
Fiber core	50 µm (Customizable)	Cooling method	Water

Product Dimensions

