

# RFL-C30000M-HP

## Raycus High Performance 30000W Multi Module CW Fiber Laser

Data Sheet V1.0

The Raycus HP series high performance CW fiber lasers are aimed at high-end industry worldwide market, with high stability, high safety standards, high redundancy, and high intelligence. At present, this series of lasers has been purchased and applied in bulk by many internationally well-known equipment integrators.

This highest power segment is designed for ultra-high power industrial applications, such as thick plate cutting, large-scale construction projects, and specialized industrial processes requiring maximum power and efficiency. For industries requiring the ultimate in laser power and performance, this segment provides unparalleled capabilities. It ensures efficient handling of the most challenging materials and processes, pushing the boundaries of what's possible in industrial laser applications.



### Product Features

- CE Certification
- PLD certification
- Multiple Anti-high Reflection Mechanisms
- High Intelligent Monitoring Capability
- EtherCat / Profinet / Profibus / DeviceNet
- High Electron-optical Efficiency
- High Power Stability
- Better Performance in Industrial Applications

### Product Applications

- ◆ Industrial Cutting
- ◆ Industrial Welding
- ◆ Scientific Research

## Technical Specifications

Central wavelength	1075-1085 nm	Supply voltage	360~510 V AC
Output power	30000 W	Operation mode	CW / Modulate
Power instability	±1 %	Control mode	BUS, Ethernet, RS232, AD
Range of power	10-100 %	Dimensions	1050×1540×1290 mm
Repetition frequency	50-2000 Hz	Weight	<900 kg
Beam quality	<4.3 BPP	Operating temperature	10 - 40 °C
Terminal type	QP (Customizable)	Storage temperature	-10 - 60 °C
Fiber length	30 m (Customizable)	Humidity	30~70 %
Fiber core	100 μm (Customizable)	Cooling method	Water

## Product Dimensions

