

MFMC

6000W~20000W

Multi Module Fiber Laser



Product Feature



High Power with Great Beam Quality

High power density with flat-head distribution
High wall-plug efficiency



Even Energy Distribution

Less splash during cutting and welding



Excellent Material Processing Performance

High speed in thin sheet cutting
Strong capability in thick material processing



Compact Design, Maintenance Free

Highly integrated system with modular design
High stability and easy maintenance significantly reduce TCO



Best Choice for Cutting and Welding

Widely used in hardware processing, automobile, shipping, construction machinery, medical industries and more.

MFMC 6000W~20000W High Power Fiber Laser Specifications

Models	MFMC-6000W	MFMC-12000W	MFMC-15000W	MFMC-20000W
OPTICAL SPECIFICATIONS				
Nominal Power	6000W	12000W	15000W	20000W
Mode of Operation	CW/Modulated			
Polarization	Random			
Power Tunability	10 to 100%			
Wavelength	1080 ± 5 nm			
Power Stability	±1 %			
Laser Beam Quality, BPP	3.5 to 4.5 mm x mrad (100µmQBH)			
	5 to 6.5 mm x mrad (150µmQBH)			
	6.5 to 9 mm x mrad (200µmQBH)			
Modulation Frequency	≤ 5kHz			
Preview Red Light Power	200 µW			
FIBER DELIVERY SYSTEM				
Interface	QBH	LOE		
Length	20m standard, other lengths optional			
Diameter	100/150/200 µm			150/200 µm
Bending Radius	200 mm			
ELECTRICAL RATINGS				
Supply Voltage	400 (-15% to +10%) VAC 3-phase			
OTHER SPECIFICATIONS				
Operating Temperature	+10 to +40°C			
Storage Temperature	-10 to +60°C			
Humidity	10 to 80%			
Cooling Method	Water Cooling			
Cooling Medium	Distilled water/ Glycol Antifreeze			
Dimension	1050×1385×1658 mm			
Weight	534(±4) kg	646(±5) kg	726(±5) kg	815(±5) kg

Mechanical Specifications (mm)

