

MFSQ

75/750W 150/1000W

QCW Fiber Laser



Product Feature



All-fiber Structure

Compact and rugged design for long time operation



Adjustable Pulse Width Waveform

The output waveform can be customized according to different welding or cutting applications



Compact Design, Maintenance Free

Plug and play, higher flexibility when integrated into system



High Level Vertical Integration

All key components are designed and produced in house
Strict quality control, high consistency and reliability

Characteristic Parameters

Models	MFSQ-75/750W	MFSQ-150/1000W
OPTICAL SPECIFICATIONS		
CW Mode Max Power	75W	150W
Pulsed Mode Max Power	750W	1000W
Mode of Operation	CW/Modulated	
Polarization	Random	
Power Tunability	10 to 100%	
Wavelength	1080 ± 10 nm	
Power Stability	2 %	
Laser Beam Quality M ²	1.2	1.3(20um)
Pulse Energy	7.5 J	25 J
Pulse Duration	0.1~50 ms	
Repetition Rate	1~5000 Hz	
Preview Red Light Power	100 μW	
FIBER DELIVERY SYSTEM		
Interface	QBH (LOC)	
Length	10 m standard, other lengths optional	
Diameter	14/20/50 μm	
Bending Radius	200 mm	
ELECTRICAL RATINGS		
Supply Voltage	220VAC	
Peak Power Consumption	2 KW	2.5 KW
OTHER SPECIFICATIONS		
Operating Temperature	+10 to +40°C	
Storage Temperature	-10 to +60°C	
Humidity	10 to 85%	
Cooling Method	Air Cooling	
Dimension	586×420×142 mm	536×357×130.4 mm
Weight	30 kg	32 kg

Mechanical Specifications (mm)

