

# MFSQ

## 1000/2000W

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

Model	MFSQ-1000/2000W
<b>OPTICAL SPECIFICATIONS</b>	
CW Mode Max Power	1000W
Pulsed Mode Max Power	2000W
Mode of Operation	CW/Modulated
Polarization	Random
Power Tunability	10 to 100%
Wavelength	1080 ± 10 nm
Power Stability	3%
Laser Beam Quality M <sup>2</sup>	2.5(50um)
Pulse Energy	60 J
Pulse Duration	0.1~50 ms
Repetition Rate	1~5000 Hz
Preview Red Light Power	100 μW
<b>FIBER DELIVERY SYSTEM</b>	
Interface	QBH (LOC)
Length	15 m standard, other lengths optional
Diameter	30/50 μm
Bending Radius	200 mm
<b>ELECTRICAL RATINGS</b>	
Supply Voltage	220VAC
Rated Power	7 KW
<b>OTHER SPECIFICATIONS</b>	
Operating Temperature	+10 to +40°C
Storage Temperature	-10 to +60°C
Humidity	10 to 85%
Cooling Method	Water Cooling
Dimension	950×482.6×193.2 mm
Weight	68 kg

## Mechanical Specifications (mm)

