

MFPT 500M

MOPA Pulsed Fiber Laser



Product Feature



New Generation Optical Path Design

New core technology of fiber gain control



High Output Power

Maximum nominal output power up to **500W**
Greatly improved single pulse energy



Compact and Rugged Design

Maintenance free Operation



Wide Application Even with Highly Reflective Material

High performance isolator effectively reduces reflection damage to the laser source
Smoothly marking on aluminum, copper and brass etc



High Level Vertical Integration

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

MFPT 500M Fiber Laser Specifications

Model	MFPT-500M
OPTICAL SPECIFICATIONS	
Nominal Power	500W
Mode of Operation	Pulsed
Polarization	Random
Power Tunability	10 to 100%
Wavelength	1064 nm
Power Stability	≤ 5 %
Laser Beam Quality, BPP	≤ 10 mm x mrad
Pulse Energy	50 mJ
Pulse Duration	30~500 ns
Repetition Rate	10-3000 kHz
FIBER DELIVERY SYSTEM	
Interface	QBH
Length	10m standard, other lengths optional
Diameter	200 μm
Beam Divergence Angle	≤ 100 mrad
ELECTRICAL RATINGS	
Supply Voltage	220 VAC Single-phase
Power Consumption	≤ 2000 W
OTHER SPECIFICATIONS	
Operating Temperature	0 to +40°C
Storage Temperature	-10 to +60°C
Humidity	10 to 95%
Cooling Method	Water Cooling
Cooling Medium	Distilled water/ Glycol Antifreeze
Dimension	720×482.6×190 mm
Weight	52 kg

Mechanical Specifications (mm)

