

MFPT 500W

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



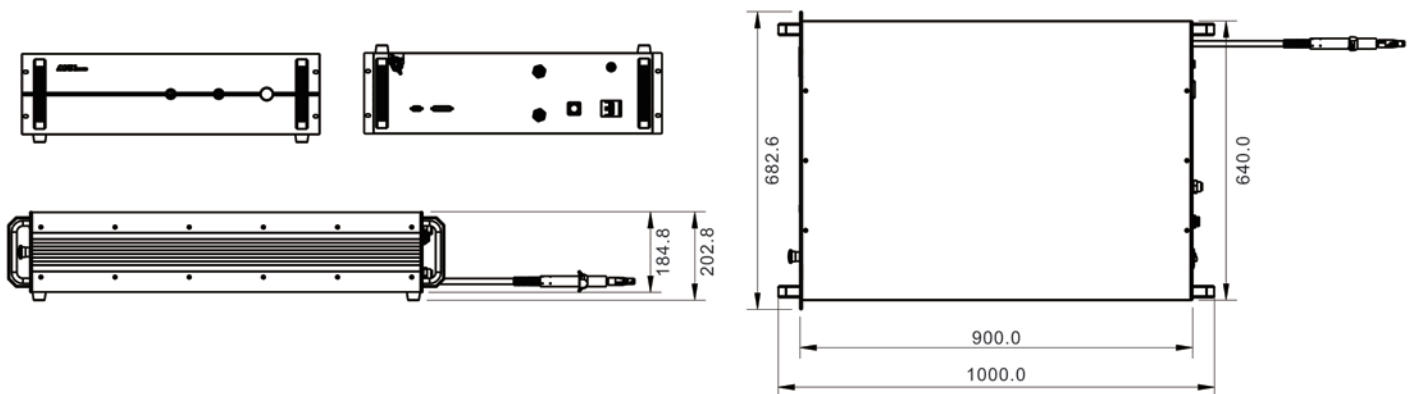
High Level Vertical Integration

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

MFPT 500W Fiber Laser Specifications

Model	MFPT-500W
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	7.7 mm x mrad
Pulse Energy	30 mJ
Pulse Duration	200~350 ns
Repetition Rate	1~400 kHz
FIBER DELIVERY SYSTEM	
Interface	220/600 QBH
Length	15m standard, other lengths optional
Diameter	220 μm
Beam Divergence Angle	70 mrad
ELECTRICAL RATINGS	
Supply Voltage	220 VAC Single-phase
Power Consumption	≤ 3000 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	682.6×1000×202.8 mm
Weight	70 kg

Mechanical Specifications (mm)



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