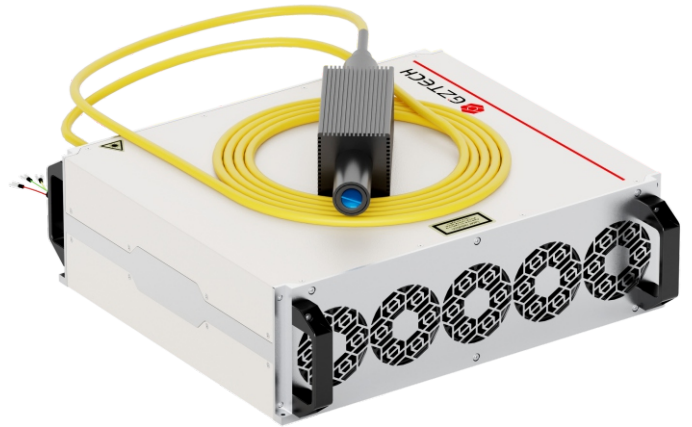


## YFPN-500-GME

MOPA FIBER LASER LR05101W  
Data sheet V 1.0

### Features

- » MOPA Technology
- » Large Frequency Range
- » Short pulse setup
- » optimized optical quality
- » Pulse width modifiable



## TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm	Spectral width @3dB	<20nm
Output power	500 W	Beam diameter	9-11 mm
Max. pulse energy	1.5 mJ	Delivery cable	5 m
Range of power	0-100 %	Supply voltage DC	48 V
Repetition frequency	1-3000 kHz	Current consumption	<40 A
Pulse width	50-500 ns	Power consumption	<1920 W
Power instability	<5 %	Operating temperature	0 - 40 °C
Beam quality	<1.6 M <sup>2</sup>	Storage temperature	-10 - 60 °C
Laser switching ON/OFF time	<20 µs	Colling method	Water
		Laser dimension	485x461x82mm

## YFPN-500-GME

Pulse width corresponds to the power reduction frequency point and the maximum single pulse energy

Pulse width (ns)	Power reduction frequency (kHz)	Upper frequency limit (kHz)	Max. single pulse energy (mJ)
1 (CW)	/	/	/
50	1400	3000	0.36
60	1200	3000	0.42
80	1000	2000	0.50
90	850	2000	0.59
100	750	2000	0.67
120	625	2000	0.80
150	500	1000	1.00
200	400	1000	1.25
250	350	600	1.43
350	330	500	1.52
450	330	400	1.52
500	330	400	1.52

