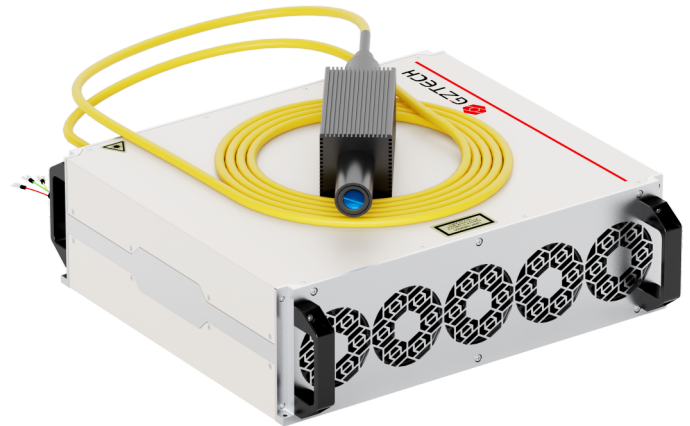


YFPN-300-GME

MOPA FIBER LASER
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	300 W	Beam diameter	7±1 mm
Max. pulse energy	1.5 mJ	Delivery cable	3 m ⁽¹⁾
Range of power	0-100 %	Supply voltage DC	48 V
Repetition frequency	1-2000 kHz	Current consumption	<24 A (48V)
Full power frequency	200-2000 kHz	Power consumption	<1152 W
Pulse width	50-500 ns	Operating temperature	0 - 40 °C
Power instability	<5 %	Storage temperature	-10 - 60 °C
Beam quality	<1.8 M ²	Colling method	Air
Laser switching ON/OFF time	<20 µs	Laser dimension	448x439x135 mm (48V)

⁽¹⁾Available fiber lengths: 3m / 5m

YFPN-300-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	1070	2000	0.28
60	940	2000	0.32
70	860	2000	0.35
80	770	2000	0.39
90	650	1000	0.46
100	600	1000	0.50
150	390	1000	0.77
200	275	1000	1.09
250	230	600	1.30
350	200	600	1.50
450	200	600	1.50
500	200	500	1.50

