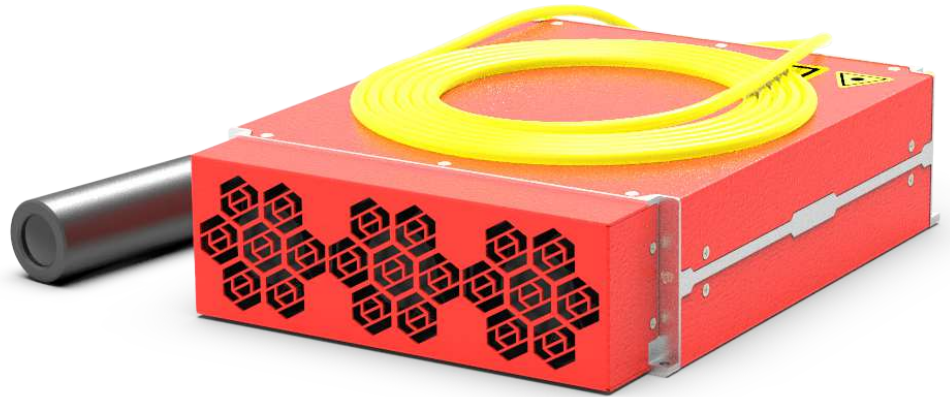


YFPN-100-GME

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	<15nm
Output power	100 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	1-3000 kHz	Current consumption	<7 A (48V)
Full power frequency	65-3000 kHz	Power consumption	<480 W
Pulse width	2-500 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	360x301x114 mm (48V)

⁽¹⁾Available fiber lengths: 3m / 5m

YFPN-100-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)	/	/	/
2	2800	3000	0.04
4	2200	3000	0.05
6	1450	3000	0.07
8	1100	3000	0.09
10	900	3000	0.11
20	430	2000	0.23
30	320	1000	0.31
40	260	1000	0.38
50	220	1000	0.45
60	190	1000	0.53
70	180	1000	0.56
80	170	1000	0.59
90	155	1000	0.65
100	130	400	0.77
150	85	400	1.18
200	80	400	1.25
250	70	400	1.43
350	65	400	1.54
450	65	400	1.54
500	65	400	1.54