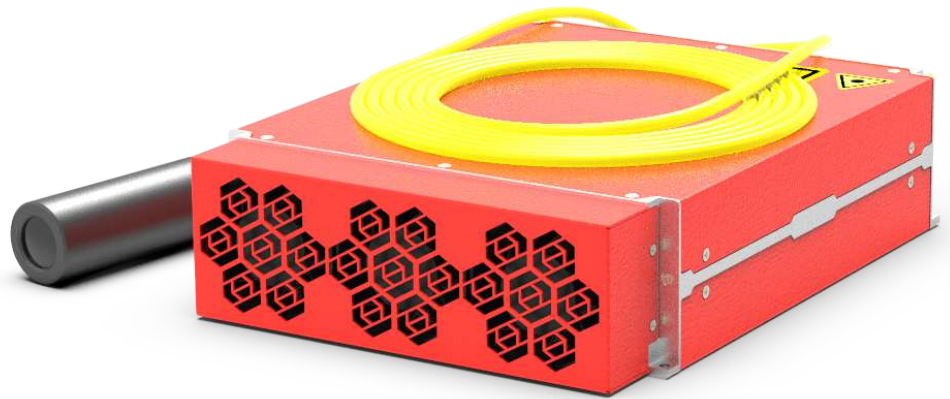


YFPN-60-GME

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	60 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	<6.5 A (48V)
Full power frequency	40-3000 kHz	Power consumption	<312 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	338.5x301x95.8 mm

⁽¹⁾Available fiber lengths: 3m / 5m

YFPN-60-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	1240	3000	0.05
4	975	3000	0.06
6	560	3000	0.11
9	410	3000	0.15
12	300	3000	0.20
20	170	3000	0.35
30	125	3000	0.48
45	115	2000	0.52
60	86	2000	0.70
80	81	2000	0.74
100	76	1000	0.79
150	60	1000	1.00
200	50	1000	1.20
250	50	1000	1.20
350	50	600	1.20
450	40	500	1.50
500	40	500	1.50