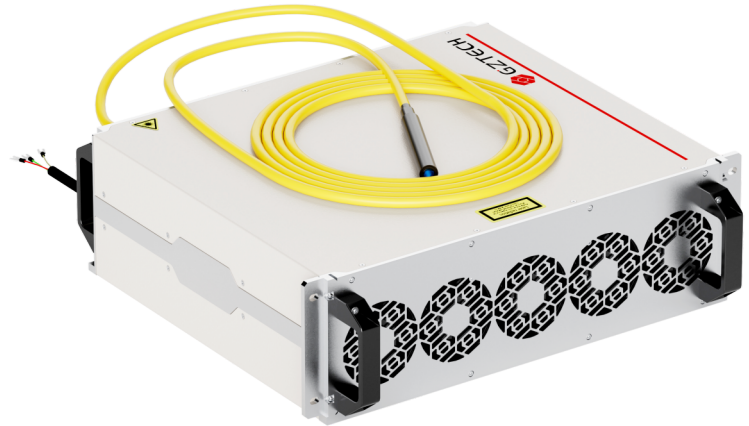


## YFPN-300-GMC

MOPA FIBER LASER FOR CLEANING  
Data sheet V 1.0

### Features

- » MOPA Technology
- » TOP-HAT beam
- » Short pulse setup
- » Very competitive price
- » Pulse width modifiable



## TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm	Spectral width (@3dB)	<20 nm
Output power	300 W	Beam diameter	6±0.5 mm
Max. pulse energy	12 mJ	Delivery cable	10 m
Range of power	0-100 %	Supply voltage DC	48 VDC
Repetition frequency	1-1000 kHz	Current consumption	<25 A
Full power frequency	25-480 kHz	Power consumption	<1200 W
Pulse width	10-500 ns	Operating temperature	0 - 40 °C
Power instability	<5 %	Storage temperature	-10 - 60 °C
Beam quality	<5 BPP	Colling method	Water
Laser switching ON/OFF time	<100 µs	Temperature (Laser)	28±1°C
Laser dimension (mm)	473x485x82	Water flow (Laser)	4-10 L/min
QCS dimension(mm)	Ø20x133	Chiller cooling capacity	>1 kW
Net weight	<25 kg		

## YFPN-300-GMC

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)
10	480	1000	0.63
30	180	1000	1.67
60	115	1000	2.61
80	95	1000	3.16
100	65	1000	4.61
150	50	1000	6.00
200	33	1000	9.09
300	30	400	10.00
400	30	400	10.00
500	25	400	12.00

