



JenLas[®] fiber cw 500

High Power cw Fiber Lasers



Advantages:

- OEM-design
- CW or modulated up to 100 kHz
- Highly reliable components
- Perfect beam quality ($M^2 \leq 1.1$)

Customer benefits:

- Easy integration
- Multifunctional applications
- Low cost of ownership
- Excellent edge quality

Applications:

- Cutting
- Drilling
- Welding

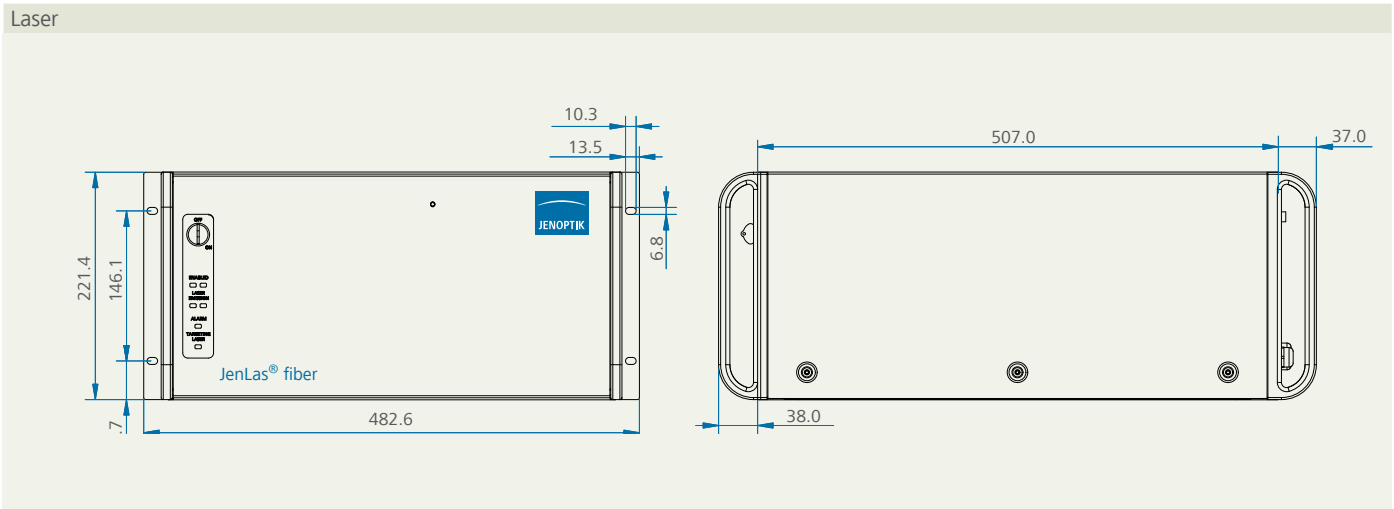
JenLas[®] fiber cw 500

High Power cw Fiber Lasers

Specifications

Parameters	JenLas [®] fiber cw 500 basic	JenLas [®] fiber cw 500 advanced
Output power		500W
Centre wave length		1070nm ± 10nm
Operation mode		CW and modulated
Transportation fiber		6 m (standard)/10m (optional)
Fiber connector		QBH (divergent output, < 85 mrad)
Pilot laser		Standard
Output power variation	typ. < 3% (open loop)	typ. < ± 0,5% (closed loop)
Pulse parameter		
Max. modulation rate	10kHz	100kHz
Min. pulse width		< 10µs
Output beam parameter		
Beam quality (M ²)		< 1.1
Polarization		Random
Mechanical specifications		
Size	5 RU ¹⁾ (19" ²⁾) x 483 mm (507 mm x 483 mm x 221 mm)	
Weight	< 45 kg	
Electrical specifications		
Power supply requirements	Single Phase	
Operating Voltage (50/60 Hz)	200–240	
Interface	Analog/RS232	
Safety Performance Level (ISO 13849-1)	PL "d"	PL "e"
Environmental		
Humidity	5–85 % (non-condensing)	
Cooling requirements	Water cooling	
Operating temperature	5...40° C	

¹⁾ RU = Rack Unit (1 RU = 1,75 inch = 44,45 mm), ²⁾ " = inch (1 inch = 25.4 mm)



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