

NEW 2.5 kW Ytterbium Fiber Amplifier for CUAS

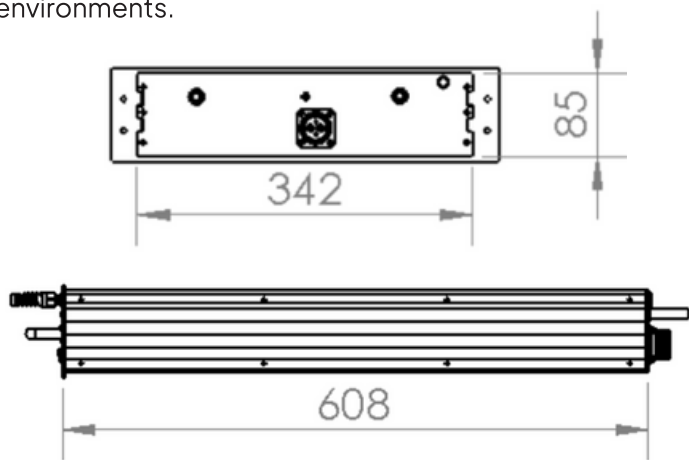


- ### Features
- 2500W Single Mode
 - Narrow Linewidth
 - 1050 - 1080nm Output
 - Low SWaP
 - 3 m Delivery Fiber
 - Internal/external Seed

- ### Applications
- CUAS
 - Directed Energy
 - Coherent Beam
 - Combining (CBC)
 - Spectral Beam Combining (SBC)

For over a decade, OEI has been supplying high-brightness fiber laser solutions for directed energy applications. With advanced optical, electrical, and mechanical design capabilities in-house, we continue to push the envelope of performance and efficiency while shrinking the weight and footprint. The compact, 2RU LaserBlade amplifier is now available with 2.5 kW single-mode output and integrated driver electronics. It can accept an external seed for your own projects, or optionally includes a built-in seed module for true “power and go” operation. With a rugged internal design and components, the LaserBlade is tailored to harsh field environments.

Optical	Unit	LaserBlade
Wavelength	nm	1050 - 1080
Linewidth (3 dB)	nm	±0.5 or better
Input Power	mW	10
Output Power	W	2500
Beam Quality	M ²	≤1.3
Fiber Length	m	3
Fiber Connector	-	Endcap, Collimator, QBH
Mechanical		
Dimensions	mm	342 x 85 x 608
Weight	kg	<15
Electrical		
Input Voltage	VDC	250 to 400
E/O Efficiency	%	>38
Communication	-	USB, Ethernet, Analog
Environmental		
Operating Temp.	°C	5 to 50
Storage Temp.	°C	-20 to 60
Coolant Temp.	°C	15 to 35
Flow Rate	LPM	8



PROVE WHAT'S POSSIBLE.

