

**NEW** 2.5 kW Ytterbium Fiber Amplifier for CUAS

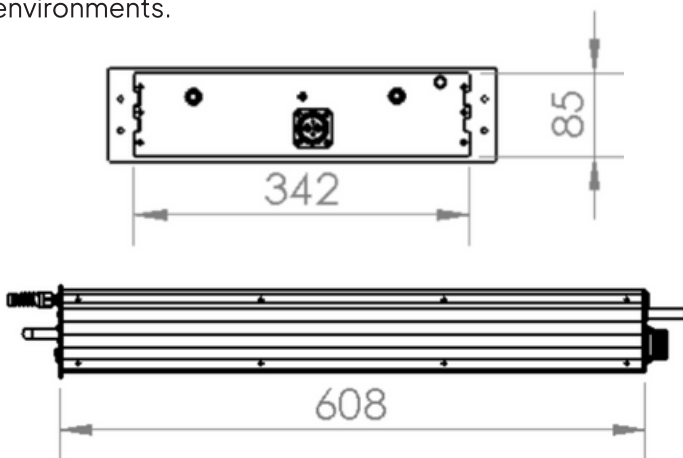


- ### Features
- 2500W Single Mode
  - Narrow Linewidth
  - 1050 - 1080nm Output
  - Low SWaP
  - 3 m Delivery Fiber
  - Internal/external Seed

- ### 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 <sup>2</sup> | ≤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.**