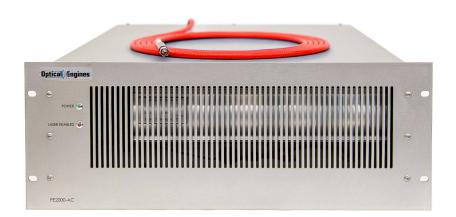


## **Air-cooled Direct Diode and Fiber Lasers**



OEI's direct diode laser systems are the highest power and most efficient air-cooled lasers on the market with up to 600 W of power in a single fiber or multiple, individually addressable fibers. Available in compact 2RU or 4RU 19" rackmount, the lasers are designed for high efficiency operation and low operation costs. Each unit is built-to-order in the USA and customizable with an array of beam shaping options (flat top, line, square, etc.), custom collimators, an integrated pyrometer, and a variety of fiber connectors. No chiller or external power supply needed everything is housed in a compact, turn-key enclosure and ready to go out of the box.

## **Features**

- Up to 600 W
- High-efficiency
- Air-cooled
- Aiming beam
- 2RU or 4RU, 19" Rack
- Pyrometer option

## **Applications**

- Polymer welding
- Soldering
- FPD bonding
- Heat treatment
- Medical treatment

Specifications	Unit	PE1000/2000-AC		
Average Power	W	≤600		
Wavelength	nm	400 - 1064		
Operating Mode		CW/Modulated		
Modulation Frequency	kHz	≤10		
Power Stability	%	±2		
Fiber Core Diameter	μm	105 - 1000	100000000000000000000000000000000000000	
Ambient Air Temperature	°C	15 - 30		
Supply Voltage	VAC	100 - 240		
Fiber Connector		SMA, D80, QBH, LLK		

