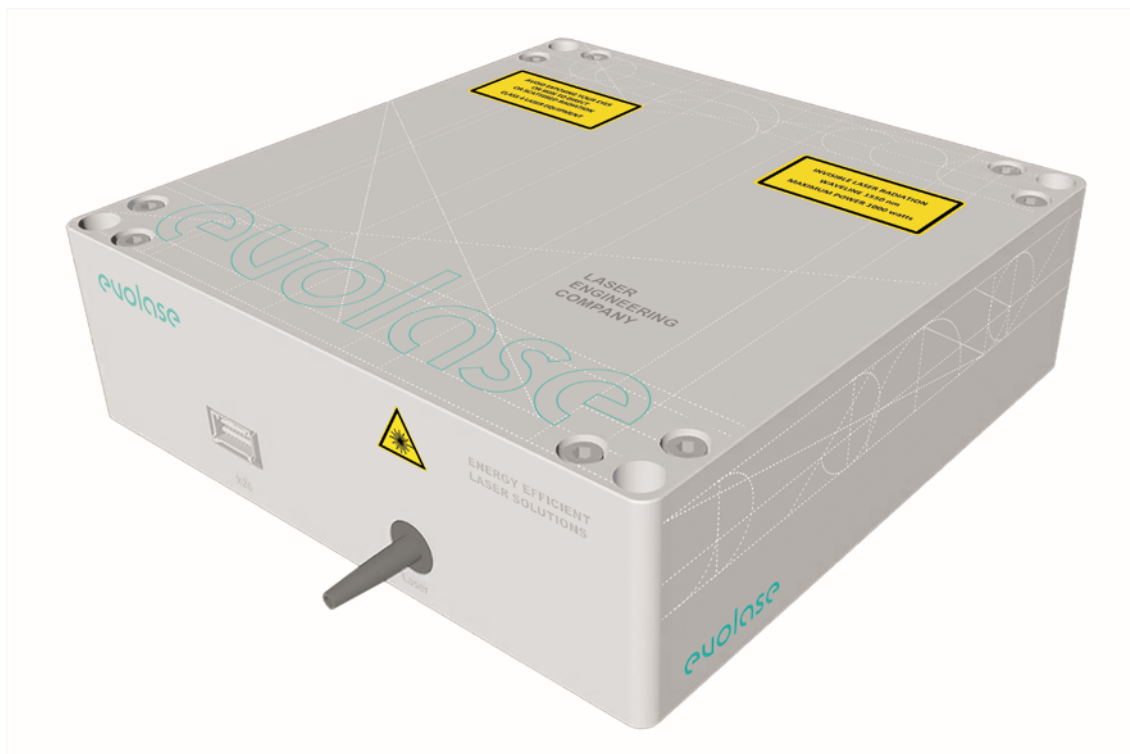


# EPFL-1550-1

## 1550 nm PICOSECOND LASER



### Features

- Up to 2 W at 1550 nm
- 35–500 ps pulse duration
- Up to 10 kW peak power
- Excellent beam quality  $M^2 < 1.1$
- Monolithic, sealed and rugged design
- Low life-time ownership cost

### Applications

- LiDAR
- 3D Scanning
- Range Finding
- Metrology and Pollution Detection
- Other Scientific Research

## Specifications

Model	EPFL-1550-1
<b>Main specifications</b>	
Central wavelength	1550±5 nm
Laser pulse repetition rate (PRR) range	500–2000 kHz
Peak power	10 kW
Pulse energy	4 μJ
Average output power	> 2 W
Pulse duration (FWHM)	35–500 ps
M <sup>2</sup> parameter	< 1.1
Polarization (PER)	Random (Linear Polarization is optional)
Power long term stability over 8 h after warm-up (Std.dev.)	< 2 %
Optical connector	FC/APC
Trigger mode	External TTL Trigger
<b>Operating requirements</b>	
Operating voltage	5.5–12 VDC
Operating ambient temperature	From -10 to +40 °C
Relative humidity	10–80 % (non-condensing)
Air contamination level	ISO 9 (room air) or better
<b>Physical characteristics</b>	
Laser size (W × H × L)	230×230×90 mm

## Drawings

