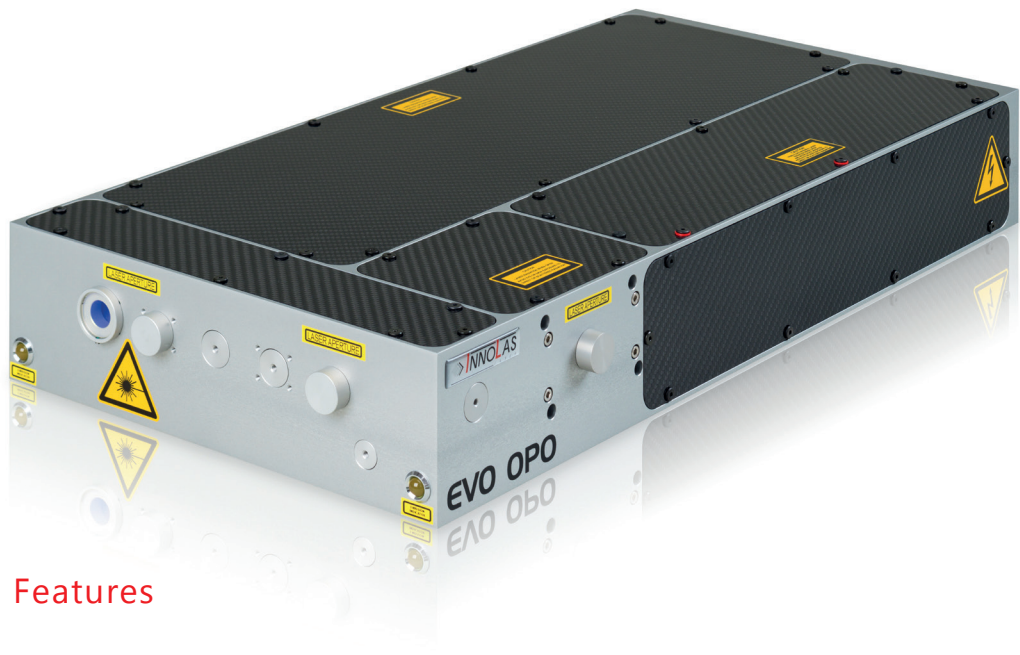


SpitLight EVO S and I OPO



Features

- * Pulse to pulse tunable OPOs with wavelength ranges from 410 to 2500 nm and repetition rates up to 500 Hz
- * High OPO pulse energies combined with high average power (up to 90 mJ/10 W)
- * Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- * Spitlight software including wavelength calibration to control the whole device
- * Remote client interface over TCP/IP for easy software integration
- * Many integrated options available like energy monitor, spectrometer, fiber coupling, fast attenuation, low divergence output or OPO harmonic generation (210-660 nm)

SpitLight EVO S and I OPO

| Model | SpitLight EVO S OPO Broadband | SpitLight EVO S OPO Midband | SpitLight EVO I OPO Broadband | SpitLight EVO I OPO Midband |
|---|--|--|--|--|
| Pump Laser Parameters | | | | |
| Repetition Rate | 1-500 Hz (following specifications are for 100 Hz) | | 1-500 Hz (following specifications are for 100 Hz) | |
| Energy @ 532 nm | > 80 mJ | | > 100 mJ | |
| Energy @ 355 nm | > 50 mJ | | > 65 mJ | |
| Beam Diameter | 5 mm | | 5 mm | |
| OPO | | | | |
| Pulse Width | 4-7 ns | 4-7 ns | 4-7 ns | 4-7 ns |
| Tuning Range (532 nm pumped) | 680-980 nm (signal) 1180-2400 nm (idler) | 670-1090 nm (signal) 1050-2500 nm (idler) | 680-980 nm (signal) 1180-2400 nm (idler) | 670-1090 nm (signal) 1050-2500 nm (idler) |
| Tuning Range (355 nm pumped) | 410-680 nm (signal) 740-2500 nm (idler) | 420-709 nm (signal) 709-2300 nm (idler) | 410-680 nm (signal) 740-2500 nm (idler) | 420-709 nm (signal) 709-2300 nm (idler) |
| Wavelength Shifting Time | < 10 ms (full span) | | | |
| Line Width | 10-450 cm ⁻¹ | down to 5 cm ⁻¹ | 10-450 cm ⁻¹ | down to 5 cm ⁻¹ |
| Signal Output Energy @ 750 nm (532 nm pumped)** | > 25 mJ | > 20 mJ | > 35 mJ | > 27 mJ |
| Signal Output Energy @ 450 nm (355 nm pumped)** | > 15 mJ | > 10 mJ | > 22 mJ | > 15 mJ |
| Operating Parameters | | | | |
| Warranted Diode Lifetime | 2 years / 2 billion shots * | | | |
| Electrical Supply | 208-240 VAC, 50/60 Hz, 2 kW | | | |
| External Cooling Water (optional water-air cooling) | 8 l/min, 2-6 bar, < 15 °C | | | |
| Weight | | | | |
| Laser Head | 30 kg | | | |
| Power Supply | 33 kg | | | |
| Dimensions | | | | |
| Laser Head | 619 x 305 x 91 mm*** | | | |
| Power Supply | 19" 4 RU | | | |
| Chiller | 19" 3 RU | | | |
| | | | | |

InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.

- * 2 years after installation or 2 billion (2 x 10⁹) shots – whichever comes first
- ** Typical tuning curves are available on our homepage
- *** Dimensions may vary due to different options

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

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