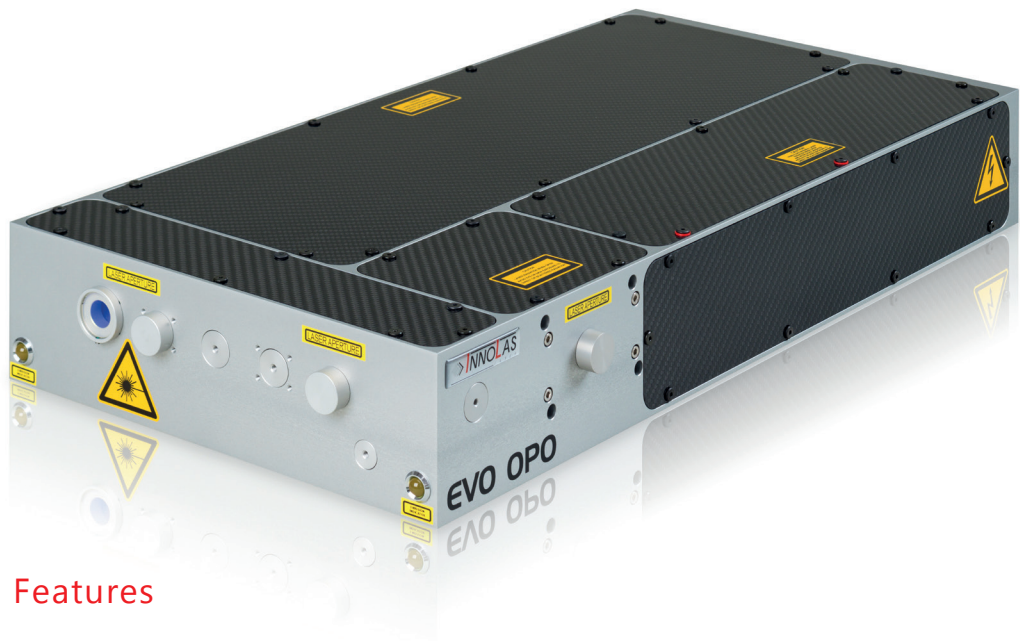


SpitLight EVO S and I OPO



Features

- * Pulse to pulse tunable OPOs with wavelength ranges from 410 to 2500 nm and repetition rates up to 200 Hz
- * High pulse energy in each spectral region due to diode-pumped Nd:YAG laser at 355 nm or 532 nm
- * Stable mechanical and optical setup in a compact monolithic housing containing both laser and OPO
- * Spitlight GUI 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, automatic wavelength calibration, fiber coupling, fast attenuation or UV generation (210-410nm)

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	1-200 Hz (following specifications are for 100 Hz)	1-200 Hz (following specifications are for 100 Hz)	1-200 Hz (following specifications are for 100 Hz)	1-200 Hz (following specifications are for 100 Hz)
Energy @ 532nm	> 80 mJ	> 80 mJ	> 100 mJ	> 100 mJ
Energy @ 355nm	> 50 mJ	> 50 mJ	> 65 mJ	> 65 mJ
Beam Diameter	5 mm	5 mm	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) 1160-2400 nm (idler)	670-1090nm (signal) 1050-2500 nm (idler)	680-980nm (signal) 1160-2400 nm (idler)	670-1090nm (signal) 1050-2500 nm (idler)
Tuning Range (355 nm pumped)	410-690 nm (signal) 730-2500 nm (idler)	420-709 nm (signal) 709-2300 nm (idler)	410-690 nm (signal) 730-2500 nm (idler)	420-709 nm (signal) 709-2300 nm (idler)
Wavelength Shifting Time	< 10 ms (full span)	< 10 ms (full span)	< 10 ms (full span)	< 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 (532nm pumped)	> 25 mJ	> 20 mJ	> 35 mJ	> 27 mJ
Signal Output Energy @ 450 nm (355nm pumped)	> 15 mJ	> 10 mJ	> 22 mJ	> 15 mJ
Operating Parameters				
Warranted Diode Lifetime	2 years/2 billion shots*		2 years/2 billion shots*	
Electrical Supply	208-240 VAC, 50/60 Hz, 2.0 kW		208-240 VAC, 50/60 Hz, 2.0 kW	
External Cooling Water (optional water-air cooling)	8 l/min, 2-6 bar, <20 °C		8 l/min, 2-6 bar, <20 °C	
Weight				
Laser Head	30 kg	30 kg	30 kg	30 kg
Power Supply	33 kg	33 kg	33 kg	33 kg
Dimensions				
Laser Head	617 x 305 x 91 mm	617 x 305 x 91 mm	617 x 305 x 91 mm	617 x 305 x 91 mm
Power Supply	19" 4 RU	19" 4 RU	19" 4 RU	19" 4 RU
Chiller	19" 3 RU	19" 3 RU	19" 3 RU	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

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

InnoLas Laser GmbH | Justus-von-Liebig-Ring 8 | 82152 Krailling | Germany

Phone: +49 (89) 899 360 - 1400 | Fax: +49 (89) 899 360 - 1499

E-mail: OPO@innolas-laser.com | Homepage: www.innolas-laser.com

