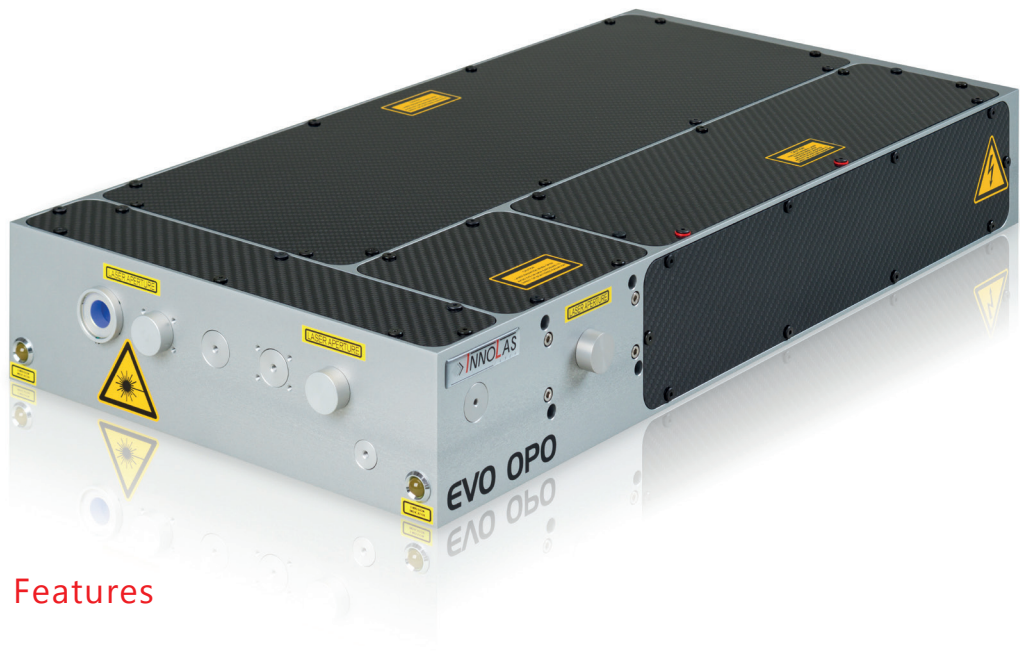


## SpitLight EVO S and I OPO



### 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
<b>Pump Laser Parameters</b>				
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	
<b>OPO</b>				
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 <sup>-1</sup>	down to 5 cm <sup>-1</sup>	10-450 cm <sup>-1</sup>	down to 5 cm <sup>-1</sup>
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
<b>Operating Parameters</b>				
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			
<b>Weight</b>				
Laser Head	30 kg			
Power Supply	33 kg			
<b>Dimensions</b>				
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 10<sup>9</sup>) 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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