

Pico-Second Amplifier (PSA) Series



Flash Lamp Pumped - 10Hz

	100 ps		10 ps	
	1064 nm	532 nm	1064 nm	532 nm
PSA III	200mJ	100 mJ	20 mJ	10 mJ
PSA IV	500 mJ	250 mJ	100 mJ	50 mJ
PSA V	1000 mJ	500 mJ	200 mJ	100 mJ

Diode Pumped – 100 Hz

	100ps		10 ps	
	1064 nm	532 nm	1064 nm	532 nm
PSA EVO I	30 mJ	15 mJ	10 mJ	5 mJ
PSA EVO II	100 mJ	50 mJ	40 mJ	20 mJ
PSA EVO III	200 mJ	100 mJ	100 mJ	50 mJ

Diode Pumped - 1KHz

	100 ps		10 ps	
	1064 nm	532 nm	1064 nm	532 nm
PSA EVO I	4 mJ	2 mJ	4 mJ	2 mJ
PSA EVO II	10 mJ	5 mJ	10 mJ	5 mJ
PSA EVO III	20 mJ	8 mJ	20 mJ	8 mJ

Excellent stability and beam quality for both laser types

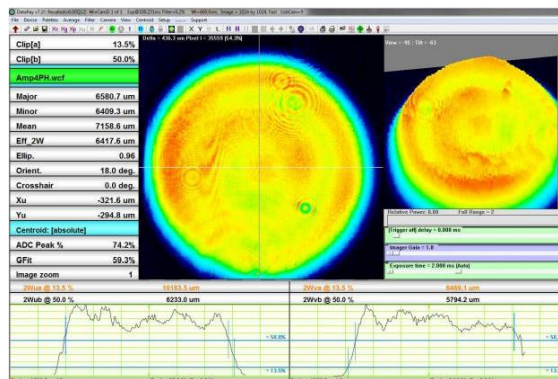
Please ask for customized specifications

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Features:

- High energy: up to 200 mJ at 10 ps pulse width
- Industrial mode-locked seed laser and post-amplifier integrated in monolithic housing
- Compact footprint compared to regenerative amplifier setups
- Flexible layout, for customized solutions tailored to the experiment
- Pulse duration can be defined in the range of 10-100 picoseconds
- 24/7 prove components and robust mechanical design
- DPSS Version for long term operation (>> 2 billion shot diode lifetime*)
- Remote Control and easy integration into different experimental setups
- Excellent beam quality and pointing stability

Beam Profile 100mJ / 20Hz:



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

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: info@innolas-laser.com | Homepage: www.innolas-laser.com

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