

# Specifications Summary

Model	Nominal Power	Peak Power	PRF, single shot	M <sup>2</sup>	Spatial Mode	Pulse Width	Pulse Energy
<b>BLIZZ</b>							
BLIZZ 532-30-V	30 W	> 37.5 kW @ 40 kHz	up to 400 kHz	< 1.4	TEM <sub>00</sub>	< 20 ns @ 40 kHz	750 μJ @ 40 kHz
BLIZZ 532-20-V-300	20 W	> 0.67 kW @ 300 kHz	up to 400 kHz	< 1.4	TEM <sub>00</sub>	< 100 ns @ 300 kHz	67 μJ @ 300 kHz
<b>NANIO</b>							
<b>Nd:YAG</b>							
NANIO 1064-20-Y	18 W	45 kW @ 10 kHz	up to 100 kHz	< 1.2	TEM <sub>00</sub>	40 ns @ 10 kHz	1800 μJ @ 10 kHz
NANIO 532-18-Y	18 W	45 kW @ 10 kHz	up to 50 kHz	< 1.3	TEM <sub>00</sub>	40 ns @ 10 kHz	1800 μJ @ 10 kHz
<b>Nd:YVO<sub>4</sub></b>							
NANIO 1342-8-V	8 W	5 kW @ 20 kHz	up to 100 kHz	< 1.2	TEM <sub>00</sub>	80 ns @ 20 kHz	400 μJ @ 20 kHz
NANIO 1064-25-V	23 W	11.5 kW @ 50 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	40 ns @ 50 kHz	460 μJ @ 50 kHz
NANIO 1064-20-V-20	20 W	100 kW @ 20 kHz	up to 60 kHz	< 1.2	TEM <sub>00</sub>	10 ns @ 20 kHz	1000 μJ @ 20 kHz
NANIO 1064-16-V	14 W	6.2 kW @ 50 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	45 ns @ 50 kHz	280 μJ @ 50 kHz
NANIO 1064-16-V-LP	15 W	3 kW @ 50 kHz	up to 150 kHz	< 1.2	TEM <sub>00</sub>	100 ns @ 50 kHz	300 μJ @ 50 kHz
NANIO 532-20-V	20 W	25 kW @ 40 kHz	up to 500 kHz	< 1.3	TEM <sub>00</sub>	20 ns @ 40 kHz	500 μJ @ 40 kHz
NANIO 532-20-V-100	20 W	5 kW @ 100 kHz	up to 500 kHz	< 1.4	TEM <sub>00</sub>	40 ns @ 100 kHz	200 μJ @ 100 kHz
NANIO 532-14-V-400	14 W	0.58 kW @ 400 kHz	up to 500 kHz	< 1.3	TEM <sub>00</sub>	60 ns @ 400 kHz	35 μJ @ 400 kHz
NANIO 532-10-V	10 W	8.3 kW @ 40 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	30 ns @ 40 kHz	250 μJ @ 40 kHz
NANIO 532-10-V-20	10 W	50 kW @ 20 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	10 ns @ 20 kHz	500 μJ @ 20 kHz
NANIO 355-8-V-60	8 W	5.3 kW @ 60 kHz	up to 300 kHz	< 1.4	TEM <sub>00</sub>	25 ns @ 60 kHz	133 μJ @ 60 kHz
NANIO 355-6-V 80	6 W	2.1 kW @ 80 kHz	up to 300 kHz	< 1.3	TEM <sub>00</sub>	35 ns @ 80 kHz	75 μJ @ 80 kHz
NANIO 355-3-V-150	3 W	0.57 kW @ 150 kHz	up to 300 kHz	< 1.3	TEM <sub>00</sub>	35 ns @ 150 kHz	20 μJ @ 150 kHz
NANIO 355-3-V	3 W	2.1 kW @ 40 kHz	up to 300 kHz	< 1.3	TEM <sub>00</sub>	35 ns @ 40 kHz	75 μJ @ 40 kHz
NANIO 355-1-V-400	1 W	0.04 kW @ 400 kHz	up to 500 kHz	< 1.4	TEM <sub>00</sub>	60 ns @ 400 kHz	2.5 μJ @ 400 kHz
<b>NANIO AIR</b>							
<b>Nd:YAG</b>							
NANIO AIR 1064-7-Y-30	7 W	20 kW @ 10 kHz	up to 100 kHz	< 1.15	TEM <sub>00</sub>	35 ns @ 10 kHz	700 μJ @ 10 kHz
NANIO AIR 1064-7-Y-50	7 W	14 kW @ 10 kHz	up to 100 kHz	< 1.15	TEM <sub>00</sub>	50 ns @ 10 kHz	700 μJ @ 10 kHz
NANIO AIR 1064-7-Y-70	7 W	7 kW @ 10 kHz	up to 100 kHz	< 1.15	TEM <sub>00</sub>	100 ns @ 10 kHz	700 μJ @ 10 kHz
NANIO AIR 532-4-Y-50	4 W	8 kW @ 10 kHz	up to 100 kHz	< 1.2	TEM <sub>00</sub>	50 ns @ 10 kHz	400 μJ @ 10 kHz

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<b>Nd:YVO<sub>4</sub></b>							
NANIO AIR 1064-16-V	14 W	6.2 kW @ 50 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	45 ns @ 50 kHz	280 µJ @ 50 kHz
NANIO AIR 532-10-V	10 W	8.3 kW @ 40 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	30 ns @ 40 kHz	250 µJ @ 40 kHz
NANIO AIR 532-10-V-SP	10 W	12.5 kW @ 40 kHz	up to 300 kHz	< 1.2	TEM <sub>00</sub>	20 ns @ 40 kHz	250 µJ @ 40 kHz
NANIO AIR 355-5-V	5 W	6.2 kW @ 40 kHz	up to 300 kHz	< 1.3	TEM <sub>00</sub>	20 ns @ 40 kHz	125 µJ @ 40 kHz
NANIO AIR 355-3-V	3 W	2.1 kW @ 40 kHz	up to 300 kHz	< 1.3	TEM <sub>00</sub>	35 ns @ 40 kHz	75 µJ @ 40 kHz
<b>MOSQUITOO X</b>							
<b>Nd:YAG</b>							
mosquitoo X 355-0.3-Y	0.3 W	2.3 kW @ 10 kHz	up to 100 kHz	< 1.3	TEM <sub>00</sub>	13 ns @ 10 kHz	30 µJ @ 10 kHz
mosquitoo X 532-2-Y	2 W	13.3 kW @ 10 kHz	up to 100 kHz	< 1.3	TEM <sub>00</sub>	15 ns @ 10 kHz	200 µJ @ 10 kHz
<b>Nd:YVO<sub>4</sub></b>							
mosquitoo X 355-1-V	1 W	1.6 kW @ 50 kHz	up to 200 kHz	< 1.3	TEM <sub>00</sub>	12 ns @ 50 kHz	20 µJ @ 50 kHz
mosquitoo X 355-0.3-V	0.3 W	0.6 kW @ 50 kHz	up to 200 kHz	< 1.3	TEM <sub>00</sub>	10 ns @ 50 kHz	6 µJ @ 50 kHz
mosquitoo X 532-5-V	5 W	8.3 kW @ 50 kHz	up to 200 kHz	< 1.3	TEM <sub>00</sub>	12 ns @ 50 kHz	100 µJ @ 50 kHz
mosquitoo X 532-2-V	2 W	3.3 kW @ 50 kHz	up to 200 kHz	< 1.3	TEM <sub>00</sub>	12 ns @ 50 kHz	40 µJ @ 50 kHz
mosquitoo X 1064-6-V	6 W	7.6 kW @ 50 kHz	up to 200 kHz	< 1.2	TEM <sub>00</sub>	13 ns @ 50 kHz	100 µJ @ 50 kHz
mosquitoo X 1064-3-V	3 W	3.8 kW @ 50 kHz	up to 200 kHz	< 1.2	TEM <sub>00</sub>	13 ns @ 50 kHz	50 µJ @ 50 kHz
<b>NANIO DIRECT DIODE</b>							
NANIO 810-50-400	50 W	n.a.	cw/modulated cw	< 0.17 NA	fiber 400 µm	rise/fall time < 10 µs	n.a.
NANIO 810-80-400	80 W	n.a.	cw/modulated cw	< 0.17 NA	fiber 400 µm	rise/fall time < 10 µs	n.a.
NANIO 810-100-400	100 W	n.a.	cw/modulated cw	< 0.17 NA	fiber 400 µm	rise/fall time < 10 µs	n.a.
<b>SL 400 MICRO WELD</b>							
SL 400 MICRO WELD	7 W	3.5 kW @ 1 Hz	up to 2 Hz	< 0.22 NA	fiber 200 µm	2-10 ms	7 J @ 1 Hz
SL 400 MICRO WELD DUO	2x4 W	2 x 2 kW @ 1 Hz	up to 2 Hz	< 0.22 NA	fiber 200 µm	2-10 ms	2 x 4 J @ 1 Hz

Rev. 1.2, 10/2015

InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.  
InnoLas Photonics GmbH is DIN EN ISO 9001 certified.