



High Power Pulsed Nd:YAG-Lasers (nanosecond)

Nanosecond pulsed lasers

Model	Wave length Pulse energy	Puls duration max. repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
Nd:YAG 1.4J in pulse	LS 2147A/2 1064nm – 1400mJ 532nm – 700mJ 355nm – 300mJ* 266nm -180mJ*	duration: 7-12ns repetition: 1-10Hz	div. 1.5 mrad dia. 10mm	2000W	45,630 €
Nd:YAG High repetition: 50Hz	LS 2148 1064nm – 700mJ 532nm – 350mJ 355nm – 120mJ 266nm -100mJ	duration: 14-16ns repetition: 1-50Hz	div. 1.0 mrad dia. 10mm	2000W	by request
Nd:YAG 213 nm	LS 2147 1064nm – 850mJ 532nm – 470mJ 355nm – 170mJ 266nm -120mJ 213nm – 25mJ*	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	29,950 €
Nd:YAG	LS 2147/2 1064nm – 850mJ 532nm – 470mJ	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	27,350 €
Nd:YAG	LS 2147/3 1064nm – 850mJ 532nm – 470mJ 355nm – 170mJ	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8mm	900W	28,970 €
Nd:YAG 213 nm	LS 2137U 1064nm – 700mJ 532nm – 400mJ 355nm – 160mJ 266nm -120mJ 213nm – 25mJ*	duration: 6-7ns repetition: 1-10Hz	div. 0.8 mrad dia. 8 mm	750W	28,020 €
Nd:YAG	LS 2137U/2 1064nm – 700mJ 532nm – 400mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	25,280 €
Nd:YAG	LS 2137U-L/3 1064nm – 700mJ 532nm – 400mJ 355nm - 160mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	33,190 €
Nd:YAG	LS 2137U-BBO4 1064nm – 700mJ 532nm – 400mJ 355nm - 160mJ 266nm – 95mJ	duration: 6-7ns repetition: 10Hz	div. 0.8 mrad dia. 8 mm	750W	30,260 €
Nd:YAG 213 nm	LS 2137 1064nm – 600mJ 532nm – 330mJ 355nm – 120mJ 266nm - 90mJ 213nm – 22mJ*	duration: 16-18ns repetition: 1-10Hz	div. 0.7 mrad dia. 8 mm	750W	27,590 €
Nd:YAG	LS 2137/2-20 1064nm – 700mJ 532nm – 400mJ	duration: 16-18ns repetition: 1-20Hz	div. 1.0 mrad dia. 8 mm	750W	31,430 €
Nd:YAG	LS 2137/2 1064nm – 700mJ 532nm – 400mJ	duration: 16-18ns repetition: 1-10Hz	div. 1.0 mrad dia. 8 mm	750W	24,920 €
Nd:YAG	LS 2137/3 1064nm – 700mJ 532nm – 400mJ 355nm - 120mJ	duration: 16-18ns repetition: 1-10Hz	div. 1.0 mrad dia. 8 mm	750W	26,550 €
Nd:YAG High repetition: 50Hz	LS-2136LP 1064nm – 40mJ	duration: 24ns repetition: 1-50Hz	div. 0.7 mrad dia. 3 mm	1500W	23,680 €
Nd:YAG High repetition: 50Hz	LS 2136 1064nm – 140mJ 532nm – 75mJ 355nm – 25mJ* 266nm - 18mJ*	duration: 15-18ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	24,710 €
Nd:YAG High repetition: 100 Hz	LS 2139 Near TEM00 1064nm – 75mJ 532nm – 40mJ 355nm – 15mJ* 266nm - 10mJ*	duration: 15-18ns repetition: 1-100Hz	div. 0.7 mrad dia. 4 mm	2000W	29,960 €

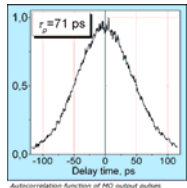
Model	Wave length Pulse energy	Puls duration max. repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
Nd:YAG High repetition: 100Hz LS 2139 TEM00	1064nm – 45mJ 532nm – 25mJ 355nm – 8mJ* 266nm - 6mJ*	duration: 15-18ns repetition: 1-100Hz	div. 0.5 mrad dia. 2.5 mm	2000W	by request
Nd:YAG High repetition: 50Hz LS 2138	1064nm – 220mJ 532nm – 115mJ 355nm – 45mJ* 266nm - 30mJ*	duration: 14-16ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	28,990 €
Nd:YAG High repetition: 50Hz LS 2138T-LBO	1064nm – 220mJ 532nm – 110mJ 355nm – 50mJ	duration: 14-16ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	32,750 €
Nd:YAG High repetition: 50Hz LS 2138TF	1064nm – 220mJ 532nm – 115mJ 355nm – 45mJ 266nm - 30mJ	duration: 14-16ns repetition: 1-50Hz	div. 0.7 mrad dia. 5 mm	1500W	33,260 €
Nd:YAG High repetition 1577 nm LS 2138OPO-50	1577nm – 30mJ 1064nm – 220mJ	duration: 14-16ns repetition: 1-50Hz	div. 1.5 mrad dia. 5 mm	1500W	44,990 €
Nd:YAG High repetition 1577 nm LS 2138OPO-30	1577nm – 30mJ 1064nm – 220mJ	duration: 14-16ns repetition: 1-30Hz	div. 1.5 mrad dia. 5 mm	1500W	39,360 €

Power supply and water cooling system are included



High Power Pulsed Nd:YAG-Lasers (picosecond)

Picosecond pulsed lasers Mode-Locked Nd:YAG Laser

Model	Wave length Pulse energy	Puls duration max. repetition rate	Autocorrelation function:	Divergence Diameter	Price (*-optional)
LS-2151	1064 nm – 90 mJ 532 nm – 50 mJ 355 nm – 25 mJ* 266 nm – 18 mJ* 213 nm – 3.5 mJ*	duration: 70-100ps repetition: 15Hz		div. 0.7mrad dia. 9mm	58,290 €

Power supply and water cooling system are included



Double Pulsed Nd:YAG-Lasers

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
Nd:YAG delay between pulses 0-80µs	LS-2131D 1064 nm - 2 x 100 mJ 532 nm - 2 x 50 mJ	duration 9-11ns repetition 1-15Hz	div 1.5 mrad dia 4.0 mm	600W	23,710 €
Nd:YAG delay between pulses 0-80µs	LS-2132D 1064 nm - 2 x 140 mJ 532 nm - 2 x 75 mJ	duration 10-12ns repetition 1-15Hz	div 2.0 mrad dia 5.0 mm	600W	23,950 €
Nd:YAG delay between pulses 0-80µs	LS-2134D 1064 nm - 2 x 200 mJ 532 nm - 2 x 110 mJ	duration 10-12ns repetition 1-10Hz	div 2.5 mrad dia 6.3 mm	600W	24,710 €
Nd:YAG delay between pulses 0-80µs	LS-2134D-C3 1064 nm - 2 x 200 mJ 532 nm - 2 x 110 mJ 355 nm - 2 x 30 mJ	duration 14-16ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	29,950 €
Nd:YAG delay between pulses 0-80µs	LS-2134D-C4 1064 nm - 2 x 200 mJ 532 nm - 2 x 110 mJ 266 nm - 2 x 30 mJ	duration 14-16ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	29,950 €
Nd:YAG delay between pulses 0-80µs	LS-2136D-4 1064 nm - 2 x 80 mJ 532 nm - 2 x 40 mJ	duration 14-16ns repetition 1-50Hz	div 1.0 mrad dia 4.0 mm	2000W	28,950 €
Nd:YAG delay between pulses 0-80µs	LS-2136D-5 1064 nm - 2 x 105 mJ 532 nm - 2 x 50 mJ	duration 14-16ns repetition 1-50Hz	div 1.0 mrad dia 5.0 mm	2000W	29,950 €
Nd:YAG delay between pulses 0-80µs	LS-2145D 1064 nm - 2 x 320 mJ 532 nm - 2 x 190 mJ	duration 12-15ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	31,030 €
Nd:YAG delay between pulses 0-80µs	LS-2145D-C3 1064 nm - 2 x 320 mJ 532 nm - 2 x 190 mJ 355 nm - 2 x 80 mJ	duration 12-15ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	34,950 €
Nd:YAG delay between pulses 0-80µs	LS-2145D-C4 1064 nm - 2 x 320 mJ 532 nm - 2 x 190 mJ 266 nm - 2 x 50 mJ	duration 12-15ns repetition 1-10Hz	div 1.0 mrad dia 6.3 mm	600W	by request

Power supply and water cooling system are included



Compact Pulsed Nd:YAG-Lasers

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
LS-2130	1064nm - 50mJ 532nm - 25mJ 355nm - 9mJ* 266nm - 8mJ*	duration 9-11ns repetition 1-20Hz	div 1.0 mrad dia 3.0 mm	500W	17,390 €
LS-2131	1064nm - 100mJ 532nm - 50mJ 355nm - 16mJ* 266nm-16mJ*	duration 9-11ns repetition 1-20Hz	div 1.5 mrad dia 4.0 mm	500W	17,610 €
LS-2131U	1064nm - 100mJ 532nm - 50mJ 355nm - 20mJ* 266nm - 20mJ*	duration 1064nm – 5-6ns 532nm – 4-5ns 355nm – 4-5ns 266nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 4.0 mm	750W	by request
LS-2132	1064nm - 180mJ 532nm - 100mJ 355nm - 20mJ* 266nm - 24mJ*	duration 10-12ns repetition 1-15Hz	div 2.0 mrad dia 5.0 mm	500W	19,940 €
LS-2132U	1064nm – 180mJ 532nm - 120mJ 355nm - 40mJ* 266nm - 25mJ* 213nm – 4mJ*	duration 1064nm – 5-6ns 532nm – 4-5ns 355nm – 4-5ns 266nm – 4-5ns 213nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	20,140 €
LS-2132UT	1064nm - 180mJ 532nm - 120mJ 355nm - 40mJ	duration 1064nm – 5-6ns 532nm – 4-5ns 355nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	21,510 €
LS-2132UF	1064nm - 180mJ 532nm - 120mJ 266nm - 25mJ	duration 1064nm – 5-6ns 532nm – 4-5ns 266nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	21,510 €
LS-2132UF-BBO4	1064nm - 180mJ 532nm - 120mJ 266nm - 25mJ	duration 1064nm – 5-6ns 532nm – 4-5ns 266nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	22,450 €
LS-2132UTF	1064nm - 180mJ 532nm - 120mJ 355nm - 40mJ 266nm - 25mJ	duration 1064nm – 5-6ns 532nm – 4-5ns 355nm – 4-5ns 266nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	22,980 €
LS-2132UTF-BBO4	1064nm - 180mJ 532nm - 120mJ 355nm – 40mJ 266nm - 25mJ	duration 1064nm – 5-6ns 532nm – 4-5ns 266nm – 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	23,980 €
LS-2132UF-5	532nm - 120mJ 213nm - 4mJ	duration 4-5ns repetition 1-15Hz	div 0.7 mrad dia 5.0 mm	750W	by request
LS-2132T-LBO	1064nm - 200mJ 532nm - 105mJ 355nm - 40mJ	duration 10ns repetition 20Hz	div 1.2 mrad dia 5.0 mm	1000W	23,360 €

Model	Wave length Pulse energy	Puls duration repetition rate	Divergence Diameter	Power consumption	Price (*-optional)
LS-2134	1064nm - 250mJ 532nm - 150mJ 355nm - 25mJ* 266nm - 33mJ*	duration 10-12ns repetition 1-15Hz	div 2.5 mrad dia 6.3 mm	500W	18,270 €
LS-2134U	1064nm - 270mJ 532nm - 170mJ 355nm - 60mJ* 266nm - 40mJ* 213nm - 6mJ*	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns 266nm – 5-6ns 213nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	20,830 €
LS-2134UT	1064nm - 270mJ 532nm - 170mJ 355nm - 60mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	22,770 €
LS-2134UF	1064nm - 270mJ 532nm - 170mJ 266nm - 40mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	22,770 €
LS-2134UF-BBO4	1064nm - 270mJ 532nm - 170mJ 266nm - 40mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	23,920 €
LS-2134UTF	1064nm - 270mJ 532nm - 170mJ 355nm - 60mJ 266nm - 40mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	23,980 €
LS-2134UTF-BBO4	1064nm - 270mJ 532nm - 170mJ 355nm - 60mJ 266nm - 40mJ	duration 1064nm – 7-8ns 532nm – 6-7ns 355nm – 5-7ns 266nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	24,980 €
LS-2134UF-5	532nm - 120mJ 213nm - 6mJ	duration 1064nm – 6-7ns 532nm – 5-6ns repetition 1-15Hz	div 0.8 mrad dia 6.0 mm	750W	by request
LS-2135	1064nm-340 mJ 532nm-170 mJ 355nm-38 mJ * 266nm-50 mJ *	duration 10-12ns repetition 1-10Hz	div 2.5 mrad dia 8.0 mm	500W	19,160 €
LS-2145	1064nm - 520mJ 532nm - 320mJ 355nm - 60mJ* 266nm - 60mJ*	duration 10-12ns repetition 1-10Hz	div 2.5 mrad dia 8.0 mm	500W	20,490 €
LS-2145T	1064nm - 350mJ 532nm - 230mJ 355nm - 85(75)mJ*	duration 13-15ns repetition 10Hz	div 1.0 mrad dia 6.3 mm	750W	24,820 €
LS-2145F	1064nm - 350mJ 532nm - 230mJ 266nm - 70mJ	duration 13-15ns repetition 10Hz	div 1.0 mrad dia 6.3 mm	750W	24,820 €

Power supply and water cooling system are included