

DATA SHEET

**LD PUMPED ALL-SOLID-STATE
UV LASER**

All solid state 355nm UV laser is made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



Wavelength (nm)		355 ± 1nm	
Output average power (mW)		1~150	150~550
Transverse mode		Near TEM ₀₀	
Operating mode		Frequency conversion of Q-switched pulsed laser	
Single pulse energy (μJ)		0.1~15	30~60
Pulse duration (ns)		~1.3	~7
Peak power (KW)		~11	~10
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 10k-15kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.	Undefined rep. rate among 5k-15kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
	Controllable	Fixed rep. rate, such as 3k, 4k, 5kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 3kHz-5kHz can be obtained by input an external TTL signal.	
Average power (mW)		Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)		<5%, <10%	
Warm-up time (minutes)		<10	
Beam height from base plate (mm)		68.2	
Operating temperature (°C)		10~35	
Power supply		PSU-N-LED (Power adjustable)	PSU-N-FDA
Cooling system		Air	
Expected lifetime (hours)		8,000	
Warranty period		1 year	
Remarks		Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not as good as that of 1064/532nm laser.	

MxL-N-355	Dimensions	PSU-N-LED	PSU-N-FDA
	321(L) × 99(W) × 94(H) mm³, 3.215 kg	307(L) × 150(W) × 106(H) mm³, 2.6 kg	307(L) × 105(W) × 106(H) mm³, 2.6 kg