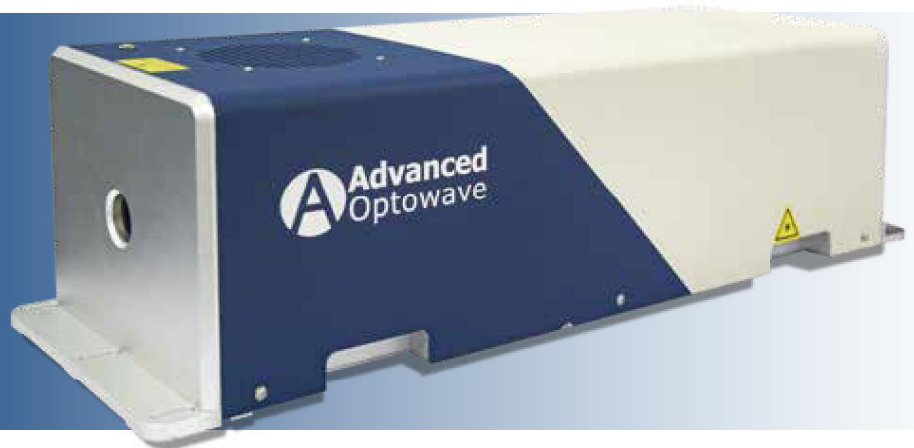


AONano XP Series

Industrial UV nanosecond laser

- Short pulse width of ~2ns
- High repetition rate up to 2MHz
- Excellent beam quality
- Achieve higher efficiency
- Adaptable for some special application requirements



► Features & Benefits:

The all-in-one design makes the laser more compact and reduces the total weight. It saves space for installation on the customer side, lowers the integration cost and simplifies the installation process. The water-cooled design allows the laser to work reliably in various harsh and extreme environments and makes the laser to be the ideal candidate for the 7x24 non-stop production needs.

The output power of 5W, and up to 15W are available for selection. With the pulse width of ~ 2 ns, high repetition rate up to 2 MHz, it is the perfect candidate for various application areas, including on-fly marking, ink removal, and so on.



Battery electrode welding



Perc solar cell devilling

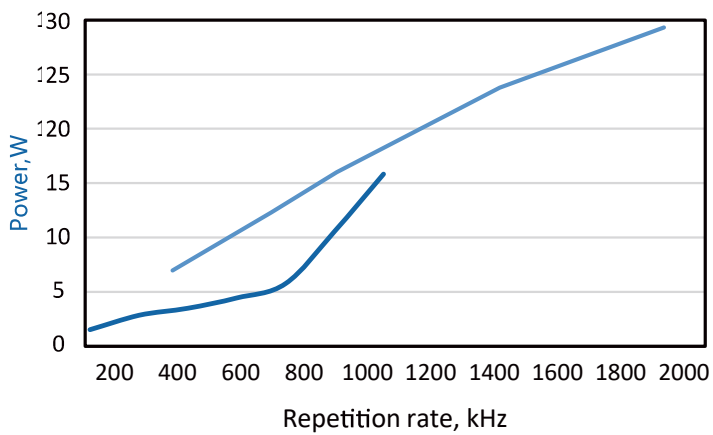


Glass drilling

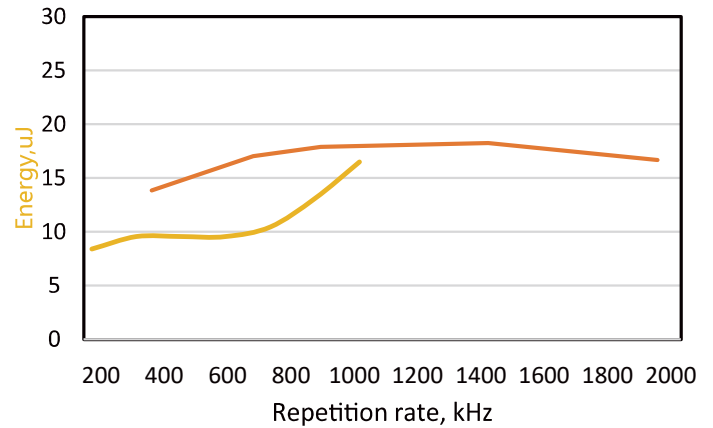


ITO etching

Typical performance AONano XP-355-15/30W
Power as a function of Repetition rate



Typical performance AONano XP-355-15/30W
Power as a function of Repetition rate



AONano XP 355		
Specifications	15W-1000K	30W-2000K
Wavelength (nm)	355	
Avg. Power (Watts)	> 15W @ 1000KHz	> 305W @ 2000KHz
Pulse Energy (μJ)	> 15	> 15
Pulse Width (ns)	< 3	
Operating Rep. Rate Range (kHz)	100~1000	100~2000
Beam Quality (M ²)	<1.2	
Beam Roundness (%)	>90	
Beam Diameter (mm)	~2.5	
Beam Divergence (mRad)	< 1	
Point Stability (μrad/°C)	< 20	
Polarization Ratio	100:1 Linear,Horizontal	
Pulse-to-Pulse Stability (% RMS)	< 3	
Average Power Stability(% over12 hours)	< 3	
Cold Start Warm-Up (mins.)	< 30	
Standby Warm-Up (mins.)	<10	
Operational Temperature Range (°C)	15 to 35	
Operation Humidity Range (%)	20 to 80,non-condensing	
Storage Temperature Range (°C)	- 20 to 50	
Storage Humidity Range (%)	20 to 80,non-condensing	
Input Voltage (VDC)/Rated Power(W)	24/450	
Communication	RS232	
Cooling	Water	
Laser head (kg)	32	

AONano XP SERIES

AONano XP - 355 Laser Size

