

HIGH-POWER 355NM PICOSECOND PULSE LASER

High-power 355nm picosecond pulse laser offered by Precilasers is based on self-developed ultrafast laser with high repetition rate, high power yb-doped fiber amplifier with low noise and high efficiency triple frequency conversion module. The laser can support 24*7 non-stop work without maintenance, making it suitable for a wide range of industrial application scenarios

The laser also has excellent mode-locked self-start performance, which can achieve 100,000 continuous power-on mode-locking self-starting. The pulse repetition rate can be up to 100 MHz, and the pulse width is less than 10 ps. The made-in-China UV laser from Precilasers not only has excellent parameters, but also supports touch screen/host computer operation mode as well as one-key start-up, which is very easy to use. At the same time, excellent quality control enables the laser to have a significantly higher service life than the normal industry products.



Key Features:

- High power: up to 2W
- High Repetition Rate: 48MHz/80MHz/100MHz
- Perfect Beam Quality
- High Power Stability
- Pulse Width: <10ps
- Long life time
- Easy Control, One-key start-up

Application:

- AMO
- Raman microphotography
- LIBS
- Flexible material cutting
- Solar cell scribing

Model	FL-PS-355-QCW	
Wavelength Range, nm	355±0.15	
Average Power,W	1	2
Repetition Rate,MHz	48, 80 or 100	
Pulse Width, ps	<10	
Power Stability	RMS<1%@12hrs	
Spatial Mode	TEM00	
Beam Quality	M ² <1.2	
PER, dB	>20	
Beam Diameter, mm	1.5-2.0	
Cooling	Water Cooling/Air Cooling	
Power Supply	100-240 V AC, 50-60 Hz	

