

## PicoYL-Green-50

PicoYL-Green-50 has a pulse duration of 800ps, repetition rates from 300 kHz up to 2.5 MHz and 50W average power. The short pulse duration, high repetition rates combined with 50kW peak power open a variety of micromachining applications such as PERC solar cell dicing, glass drilling, sapphire drilling, Li-Ion battery foil cutting, resistor trimming and marking of transparent material. The laser is completely controlled via an industry standard digital interface with optional DB25 or RS-232.



### Features:

- Average Power 50W
- Pulse Duration 800ps
- Peak Power 50kW
- Repetition Rate 300kHz-2.5MHz
- Pulse Energy 40 $\mu$ J
- Beam Quality  $M^2 < 1.3$
- Burst Mode Function

### Applications:

- PERC Solar Cell Dicing
- Lion Ion Battery Foil Cutting
- Glass Drilling
- Silicon or SiC Dicing
- Metal Marking
- Chrome Vanadium Texturing
- Micromaching of Transparent materials

**Specifications:**

Model	PicoYL-Green-50
Wavelength	515nm
Average Power	50W
Pulse Duration	800ps
Repetition Rate	300kHz-2.5MHz
Power Stability	<2%
Pulse Energy	40μJ
Peak Power	50kW
BeamQuality	M <sup>2</sup> <1.3
Beam Diameter	~2mm(1m from output aperture)
Beam Divergence (Full Angle)	<2mrad (Defined by ISO-11146-1)
Output Polarization	Linear Polarized(S)
Sync Output	SMA TTL pulse
Control	RS232 or DB25
Power Requirements	AC 100V-240V 50/60Hz Rated output>960W
Dimensions (L*W*H)	540mm*320mm*127mm

