

PicoYL-Green-50/40/30

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 40μJ
- 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-50/40/30
Wavelength	515nm
Average Power	50W/40W/30W
Repetition Rate	300kHz-2.5MHz
Power Stability	<2%
Pulse Energy	40μJ/32μJ/24μJ
Peak Power	50kW/40kW/30kW
Pulse Duration	800ps
Beam Quality	M ² <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

