

# Sol

Compact Q-Switched DPSS Laser



## Features

Up to 40W @ 1064nm

Up to 10W @ 532nm

300 kW peak power

Compact Air-cooled Single Unit

Up to 200 kHz repetition rate

Electronic pulse energy modulation

Sealed and rugged

Monolithic design

24 V dc

RS232 monitor port



## Applications

Material Processing

Marking

Scribing

Thin film removal

Micro-machining

Nonlinear optics

Medical and Aesthetic



# Sol

## Compact Q-Switched DPSS Laser

Sol Models	Sol DPSS 1064nm					Sol DPSS 532nm		
Available models\ Max Average Output power	6W	10W	20W	30W	40W	3W	5W	10W
Q-Switch Repetition Rate	10 to 100 kHz (option: single shot to 200 kHz)							
CW Operating Mode	YES					NO		
Pulsewidth	6 to 80 ns							
Beam Diameter	< 8 mm (option: customized internal or external BEX)							
Cooling	Air-cooled with thermostatic fan (option: water cooling, contact cooling)							
Operating temperature	15 to 40 °C				15 to 35 °C			
DC Voltage IN	24 V							
Mechanical dimensions	23 x 10 x 9 cm <sup>3</sup> (9 x 4 x 4 in <sup>3</sup> )							
Weight	< 4,5 kg (< 10 lbs)							



### OPTIONS AVAILABLE:

- Beam expanding and collimating optics
- Fiber Coupling
- Red aiming beam
- Extended operating temperature range
- Extended frequency range
- Pulsewidth modulation
- Circular Polarization
- Monitoring Photodiode
- Remote Control Box and Software Interface
- AC-DC Power Supply

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