

# Sol

Compact Q-Switched DPSS Laser



## Features

Up to 60W @ 1064nm

Up to 30W @ 532nm

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 models									
	Sol 1064nm DPSS					Sol 532nm DPSS				Sol 355nm DPSS
Average Max Power	6W	10W	20W	30W	40W	3W	5W	10W	15W	4W
Q-Switch Rep. rate	10 to 100 kHz (optional: Single Shot to 200 kHz)					10 to 100 kHz (optional: Single Shot to 200 kHz)				30 to 100 kHz
CW operating mode	YES					NO				NO
Pulsewidth	6 to 80 ns					6 to 60 ns				10 to 35 ns
Beam diameter	< 8 mm (integrated beam expander)					< 6 mm (integrated beam expander)				< 1mm (optional: external beam expander)
Cooling	Air-cooling (optional: water cooling, contact cooling)									Air-cooling
DC IN Voltage	24 V									Dual DC IN 15 V - 12 V
Operating temperature	15 to 40 °C		15 to 35 °C			15 to 40 °C		15 to 35 °C		
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

