

# Sol

## Compact Q-Switched DPSS Laser



### Features

Up to 60W @ 1064nm

Up to 20W @ 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	20W
Q-Switch Repetition Rate	10 to 100 kHz (option: single shot to 200 kHz)								
CW Operating Mode	YES					NO			
Pulsewidth	6 to 80 ns					6 to 60 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

**Bright Solutions Srl**

Via Artigiani 27 27010 Cura Carpignano (Pv) Italy T (+39) 0382 583094

[www.brightsolutions.it](http://www.brightsolutions.it)

[sales@brightsolutions.it](mailto:sales@brightsolutions.it)