**Sol**

Compact Q-Switched DPSS Laser

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**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

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**Applications**

- Material Processing
- Marking
- Scribing
- Thin film removal
- Micro-machining
- Nonlinear optics
- Medical and Aesthetic

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**Bright Solutions**

SOLUZIONI LASER INNOVATIVE
# Sol Compact Q-Switched DPSS Laser

<table>
<thead>
<tr>
<th>Sol Models</th>
<th>Sol DPSS 1064nm</th>
<th>Sol DPSS 532nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available models\Max Average Output power</td>
<td>6W 10W 20W 30W 40W 3W 5W 10W 20W</td>
<td></td>
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<tr>
<td>Q-Switch Repetition Rate</td>
<td>10 to 100 kHz (option: single shot to 200 kHz)</td>
<td></td>
</tr>
<tr>
<td>CW Operating Mode</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Pulsewidth</td>
<td>6 to 80 ns</td>
<td>6 to 60 ns</td>
</tr>
<tr>
<td>Beam Diameter</td>
<td>&lt; 8 mm (option: customized internal or external BEX)</td>
<td></td>
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<tr>
<td>Cooling</td>
<td>Air-cooled with thermostatic fan (option: water cooling, contact cooling)</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>15 to 40 °C</td>
<td>15 to 35 °C</td>
</tr>
<tr>
<td>DC Voltage IN</td>
<td>24 V</td>
<td></td>
</tr>
<tr>
<td>Mechanical dimensions</td>
<td>23 x 10 x 9 cm(^3) (9 x 4 x 4) in(^3)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>&lt; 4,5 kg (&lt; 10 \text{ lbs})</td>
<td></td>
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</tbody>
</table>

**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 sales@brightsolutions.it