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

BrightSolutions
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</td>
<td>6W</td>
<td>10W</td>
</tr>
<tr>
<td>Max Average Output power</td>
<td>10 to 100 kHz (option: single shot to 200 kHz)</td>
<td></td>
</tr>
<tr>
<td>Q-Switch Repetition Rate</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>CW Operating Mode</td>
<td>6 to 80 ns</td>
<td></td>
</tr>
<tr>
<td>Pulsewidth</td>
<td>&lt; 8 mm (option: customized internal or external BEX)</td>
<td></td>
</tr>
<tr>
<td>Beam Diameter</td>
<td>Air-cooled with thermostatic fan (option: water cooling, contact cooling)</td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>15 to 40 °C</td>
<td></td>
</tr>
<tr>
<td>Operating temperature</td>
<td>15 to 35 °C</td>
<td></td>
</tr>
<tr>
<td>24 V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC Voltage IN</td>
<td>23 x 10 x 9 cm³</td>
<td></td>
</tr>
<tr>
<td>Mechanical dimensions</td>
<td>(9 x 4 x 4 in³)</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>&lt; 4.5 kg</td>
<td></td>
</tr>
<tr>
<td>(&lt; 10 lbs)</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
- Pulseewidth modulation
- Circular Polarization
- Monitoring Photodiode
- Remote Control Box and Software Interface
- AC-DC Power Supply

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