

# Sol

## Compact industrial ns DPSS lasers

**[L\*]ProCareLight**

Light, Laser and Safety Solutions



## Features

Up to 40W @ 1064nm

Up to 10W @ 532nm

Compact Q-Switched DPSS Laser

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

LIBS

ID card marking

Nonlinear optics

Medical and Aesthetic



*Bright Solutions*  
SOLUZIONI LASER INNOVATIVE

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## Compact industrial ns DPSS lasers

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### Sol models

|                       | Sol models                                                |     |             |     |             |                                                     |             |     |                                             |
|-----------------------|-----------------------------------------------------------|-----|-------------|-----|-------------|-----------------------------------------------------|-------------|-----|---------------------------------------------|
|                       | Sol 1064nm DPSS                                           |     |             |     |             | Sol 532nm DPSS                                      |             |     | Sol 355nm DPSS                              |
| Average Max Power     | 6W                                                        | 10W | 20W         | 30W | 40W         | 3W                                                  | 5W          | 10W | 4W                                          |
| Q-Switch Rep. rate    | 10 to 100 kHz<br>(optional: Single Shot to 200 kHz)       |     |             |     |             | 10 to 100 kHz<br>(optional: Single Shot to 200 kHz) |             |     | 30 to 100 kHz                               |
| CW operating mode     | YES                                                       |     |             |     |             | NO                                                  |             |     | NO                                          |
| Pulswidth             | 6 to 80 ns                                                |     |             |     |             | 6 to 60 ns                                          |             |     | 10 to 35 ns                                 |
| Beam diameter         | < 8 mm<br>(Integrated beam expander)                      |     |             |     |             | < 6 mm<br>(integrated beam expander)                |             |     | < 1mm<br>(optional: external beam expander) |
| Cooling               | Air-cooling<br>(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 |     |                                             |

### OPTIONS AVAILABLE:

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