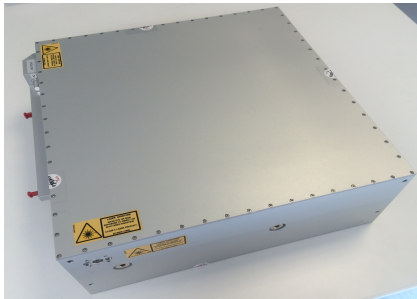


**Vento 100W 1064nm  
MOPA sub-ns laser**

**Preliminary Spec. #: VN19603**



**FEATURES**

- \_ 1064 nm
- \_ > 100 W
- \_ down to 400 ps
- \_ up to 100 kHz
- \_ Liquid Cooled
- \_ All solid state design
- \_ Rugged single unit

Technical Specifications	Typical	
Output Wavelength	1064	nm
Q-Switch Repetition Rate	25 - 100	kHz
Pulse Energy	> 2.5	mJ
Average Power	> 100	W
Pulse Width	400 - 900	ps
Polarization	Linear 100:1	
Beam quality (M <sup>2</sup> )	< 2.5	
Power supply input	24 - 28 V DC	
Pulse frequency control input	0 – 5 V (TTL)	
Cooling	Liquid	
Laser unit size (*)	55 x 40 x 20	cm <sup>3</sup>
Operating temperature	10 to 35	°C

(\*): final size, form, weight and all the interfaces can be discussed and determined in agreement with customer.

Options Available:	Applications:
<ul style="list-style-type: none"> <li>- Beam Expanding and Collimating optics</li> <li>- Red aiming beam</li> <li>- Circular Polarization</li> <li>- Extended repetition rate up to 200 kHz</li> </ul>	<ul style="list-style-type: none"> <li>- Ablation / Micromachining of thin films</li> <li>- LIDAR - LIBS</li> <li>- Specialty Scribing / Material processing</li> <li>- Glass machining</li> </ul>



All information included in this document are subject to change without notice.

Updated data sheets can be provided on request.

For further details, please contact your local **Bright Solutions** sales representative or visit our website at [www.brightsolutions.it](http://www.brightsolutions.it)

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