

# power.

Power boost for all wavelengths



## ALS-VIS Fiber Lasers & Amplifiers

Industrial grade performances for  
highly demanding applications

- High power up to 10 W
- Ultra-low intensity noise
- High pointing and beam quality stability
- Turnkey, maintenance free, industrial-grade

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# ALS-VIS



DANGER – VISIBLE AND INVISIBLE LASER RADIATION, AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION, CLASS 4 LASER PRODUCT, EN60825-1:2014

| Specifications                                   |                                                                              |            |            |            |            |
|--------------------------------------------------|------------------------------------------------------------------------------|------------|------------|------------|------------|
| Wavelength [nm]                                  | 488                                                                          | 506 .. 513 | 514 .. 545 | 545 .. 560 | 768 .. 785 |
| Output power [W]                                 | Up to 2                                                                      | Up to 2    | Up to 10   | Up to 3    | Up to 5    |
| Min. input power [mW]                            | > 120                                                                        | > 30       | > 10       | > 30       | > 10       |
| Single frequency compatible                      | yes                                                                          |            |            |            |            |
| Input connection                                 | FC/APC                                                                       |            |            |            |            |
| Spatial mode                                     | TEM <sub>00</sub>                                                            |            |            |            |            |
| Beam quality                                     | M <sup>2</sup> < 1.1                                                         |            |            |            |            |
| Beam diameter «free space»                       | 1.0 ± 0.2 mm                                                                 |            |            |            |            |
| Long term power stability (CP mode of operation) | < ± 0.5 %                                                                    |            |            |            |            |
| Noise [100Hz ..10MHz]                            | < 0.02 % RMS                                                                 |            |            |            |            |
| Pointing stability                               | < +/-2 µrad/°C                                                               |            |            |            |            |
| Output polarization                              | Vertically polarized > 300 : 1                                               |            |            |            |            |
| Output power tunability                          | 1 to 100 % (10 to 100 % recommended)                                         |            |            |            |            |
| Laser control                                    | Multi-turn potentiometer, touch screen, analog voltage, remote control ready |            |            |            |            |

