power.

Power boost for all wavelengths



ALS-IR
Fiber Lasers & Amplifiers

Single frequency CW for your power hungry application

- High power up to 130 W
- Active noise reduction system
- Turnkey, maintenance-free, industrial grade

learn more...

TOPTICA

www.toptica.com/power

ALS-IR

DANGER – VISIBLE AND INVISIBLE LASER RADIATION, AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION, CLASS 4 LASER PRODUCT, EN 60825-1:2014+A11:2021 / IEC 60825-1:2014

Specifications								
Wavelength [nm]	976	1012 ..1028	1028 ..1070	1070 ..1085	1085 ..1120	1535 ..1570	1730 ..1840	1840 ..1950
Output power [W]	Up to 10	Up to 100	Up to 130	Up to 50	Up to 40	Up to 15	Up to 10	Up to 15
Single frequency compatible	yes							
Input connection	FC/APC							
Spatial mode	TEM_{00}							
Beam quality	$M^2 < 1.1$							
Beam diameter «free space»	1.0 ± 0.2 mm							
Long term power stability (CP mode of operation)	< ± 0.5 %							
Noise [100Hz .. 10MHz]	< 0.01 % RMS							
Output polarization	Vertically polarized > 300 : 1							
Output power tunability	1 to 100 % (10 to 100 % recommended)							

