

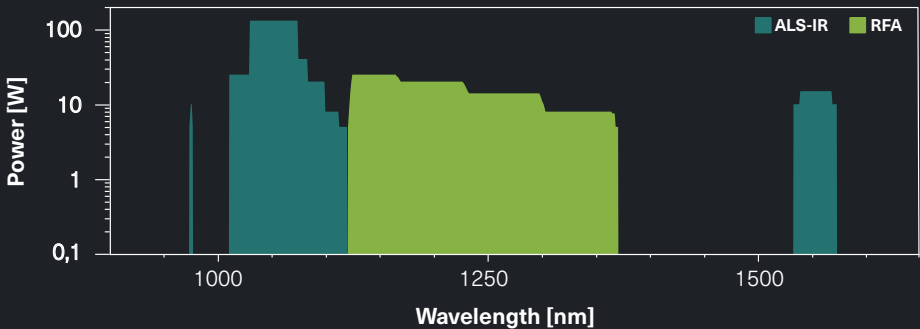
power.

Power boost for single frequency infrared lasers



1120 .. 1370 nm, up to 30 W

High power CW Raman Fiber Amplifier



learn more...



www.toptica.com/power



Key Features



High power



Wavelength tunability



Narrow linewidth



Stability over time

Specifications				
Example systems	RFA IR-I	RFA IR-II		
Central wavelength [nm]	1160	1207	1292	1370
Output power [W]	30	> 25	> 15	> 8
Coarse Tuning range [nm]	± 5	± 5	± 5	± 5
Power stability	±1% over 100 hours			
Intensity noise	<1% RIN RMS 10 Hz – 10 MHz			
Polarisation	linear, PER >20 dB			
Linewidth (5 μs)	<100 kHz (dependent on seed laser)			
Continuous scan range	>20 GHz with DL pro seed; up to 10nm with CTL seed			
Output	collimated			
Dimensions	2x 19" 3U			

Example frequency converted systems	RFA + SHG		RFA + FHG		
Central wavelength [nm]	671	589	318	308	302
Output power [W]	> 4	> 15	> 3	> 2	> 1
Coarse Tuning range [nm]	± 1	± 1	± 1,5	± 1	± 1
Typical linewidth (5 μs)	100 .. 300 kHz		200 .. 500 kHz		

SHG: Second harmonic generation; FHG: Fourth harmonic generation
 See www.optica.com/harmonic for further SHG & FHG details and wavelengths