## HIGH POWER SINGLE FREQUENCY YB-DOPED FIBER LASER

Continuous, High Power, Ultra Low Rin, Narrow Linewidth, Tunable



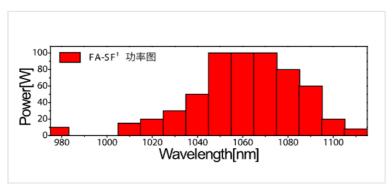
PreciLasers offers a 1010-1120 nm Ytterbium-doped fiber amplifier with innovative ASE suppression technology. Maximum output power reaches up to 130 W for a single-frequency operation. The lasers have ultra-low intensity noise, which makes them ideal light sources for the applications like optical lattice and laser atoms cooling. The full protection system of the laser ensures long-term free of maintenance and long life time.

## **Key Features:**

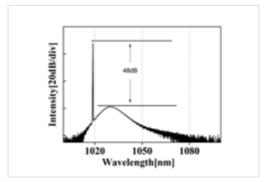
- Compact in size
- Excellent long time stability
- Good beam quality (M<sup>2</sup> <1.1)</li>
- Operation in harsh conditions

## Applications:

- Source for frequency doubling
- Mid-Infrared pump laser
- Neutron Source of Solid State Laser
- Biomedical research



Wavelength and power range of ytterbium-doped single-frequency fiber Amplifier

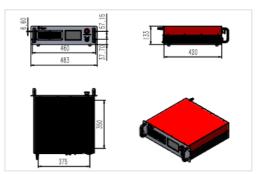


The spectrum of 15w 1018nm fiber laser

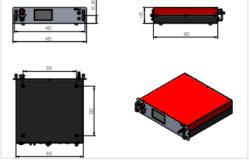
Model	FA-SF-XX-YY-ZZ <sup>1</sup>						
Wavelength, nm	976-978	1010-1018	1018-1080	1080-1100	1100-1120		
Output Power, W	8	10	100	30	10		
Linewidth, kHz	3 kHz(With Precilaser' FL-SF-1XXX-S)						
Operation Mode	CW						
RIN , dBc/Hz	RMS integration: <0.05% (10Hz-10 MHz)						
Beam Quality	TEM <sub>00</sub> , M <sup>2</sup> <1.15						
Polarization, dB	> 23						
RMS Power Stability	<0.5 %@3hrs; <0.3 %@3hrs						
Output	Collimated Fiber output						
Cooling	Air/Water						
Power Supply	50-60Hz , 100-240VAC						

Note:100W@1013nm;130W@1064nm.

1: XX: Central Wavelength; YY: Output Power; ZZ: Operation Mode



Size for Air-cooling Version



Size for Water-Cooling Version





Email : info@symphotony.com Web : https://www.symphotony.com/