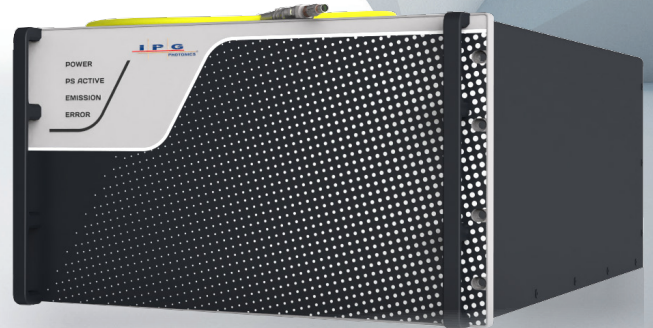


YAR-SM & YAR-SM-LP

Narrow Line CW Ytterbium Fiber Amplifiers



FEATURES

- ▶ Selectable Wavelength
- ▶ Output Power up to 1.5 kW
- ▶ Randomly or Linearly Polarized
- ▶ Single-mode Fiber Output
- ▶ Narrow Linewidth
- ▶ Polarization Options
- ▶ Compact Rugged Package
- ▶ Cost Effective Solutions



APPLICATIONS

- ▶ Spectral Beam Combining
- ▶ Sensing/Detection Systems
- ▶ Power Beaming

The **YAR Ytterbium CW Narrow Line Fiber Amplifiers** provide 1.5 kW output power in 1030 to 1070 nm spectral range. These amplifiers deliver high end parameters out of rugged industrial rack-mountable packages with convenient control interfaces. Options include custom wavelength selection, linear or random polarization, different output power levels and custom packaging. The YAR CW amplifiers are used for spectral beam combining, sensing/detection systems and power beaming applications

YAR-SM & YAR-SM-LP

Narrow Line CW Ytterbium Fiber Amplifiers

Optical Characteristics	YAR-1500-SM / YAR-1500-SM-LP
Wavelength Range*, nm	1030-1055 & 1055 - 1070
Mode of Operation	CW
Input Power range. mW	40-60 & 5-15
Minimum Input Signal Linewidth, GHz	20/25
Saturated Output Power, W	1500
Power Tunability, %	2 - 100
Power Stability**, %	<1.6
Polarization***	Random or Linear, > 50:1
Beam Quality, M ²	< 1.1

* Custom central wavelengths are available upon request in the specified range.

** Over 2 hours, ACC.

*** For non-PM depends on seed polarization.

General Characteristics	YAR-1500-SM / YAR-1500-SM-LP
Console Dimensions (W × D × H), mm	448 × 580 × 266
Cooling	Water
Supply Voltage	single-phase 50 - 60 Hz, 100 - 240 VAC



[IPGPhotonics.com/contact](https://www.ipgphotonics.com/contact)
www.ipgphotonics.com

MAX. AVERAGE OUTPUT POWER: 3 kW
 MAX. PEAK OUTPUT POWER: 1.5 kW
 PULSE DURATION: 1-12 ns
 PULSE REPETITION RATE: 10-1000 kHz
 WAVELENGTH RANGE: 960-1100 nm

DANGER - INVISIBLE LASER
 RADIATION AVOID EYE OR SKIN
 EXPOSURE TO DIRECT OR
 SCATTERED RADIATION
 CLASS 4 LASER PRODUCT

IEC 60825-1:2014

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