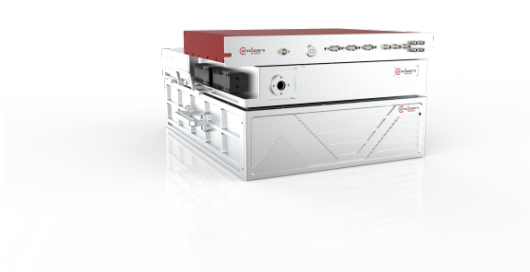


813nm 30W High Power Narrow Linewidth Laser

NARROW-LINEWIDTH CW LASERS



813nm 30W High Power Narrow Linewidth Laser Based on low-noise erbium-doped fiber lasers, thulium-doped lasers, and high-efficiency sum frequency generation modules, Precilasers can provide high-power 813 nm lasers. Featuring high power and low intensity noise, they are suitable for applications in fields such as quantum computing and quantum precision measurement.

- Narrow Linewidth Low
- High Power Excellent Beam
- Quality
- Lidar Quantum Computing Precision
- Measurement Precision Manufacturing

Specifications

Parameter	Specification
Center Wavelength	813nm
Output Power	>30W
RIN (10Hz-10MHz)	<0.05%
Thermal Tuning Range	>0.15nm
Output Mode	Free Space Output, Beam Diameter 0.6-1mm
Linewidth (1) (100us)	<20kHz
PER	>20dB
Power Stability	<0.75%@3hours,RMS
Beam Quality	M2<1.1
Current Tuning Range	>500MHz
Current Tuning Bandwidth	>1MHz
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
Cooling	Water Cooling
Temperature	15-35°C
Power Consumption	<800W
Power Supply	100V-240V, AC, 50/60Hz

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.