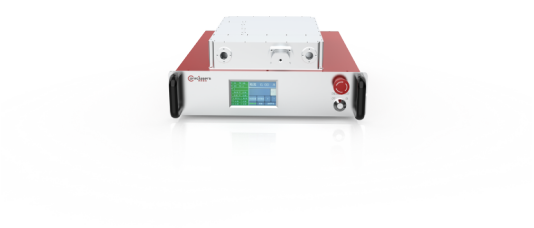
532nm Nanosecond laser

ULTRAFAST PULSED LASERS



532nm Nanosecond laser The high-performance pulsed fiber UV laser launched by PerciLasers has a spectral width of less than 1nm, high pulse stability, and can achieve a typical refrequency of 100~1000kHz, a pulse width of 1-30ns, and an average power of more than 10W UV output. The laser adopts the scheme of full fiber amplification and external frequency doubling, short wavelength, narrow pulse width, high peak power, small processing thermal influence area, excellent beam quality, good long-term stability, maintenance-free, suitable for high-end fields such as fine industrial processing.

- Compact structure Excellent beam
- Good stability
- Photovoltaic processing Precision resistor

Specifications

Parameter	FL-NS-532-xx (1)
Wavelength	532.00nm
Operation Mode	pulse
Beam Waist Diameter	0.8-1.2mm
Multiple frequency	100-1000kHz
Pulse width	1ns-30ns
Spectral width	<1nm
Single pulse energy	>60uJ@20ns / >120uJ@20ns
Average power	>30W / >60W
Beam quality	M 2 <1.1 / M 2 <1.2
Polarization	>20dB
Spot roundness	>90%
Power stability	<2%, RMS
Cooling	Water cooling
Operating temperature	20-25°C
Power supply	100V-220V, AC, 50Hz

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