

UKKO NS-532/1064

NANOSECOND FIBER LASERS



UKKO-NS-532-30-80

- Up to 80 uJ peak power
- Up to 10 W average power
- Free space output

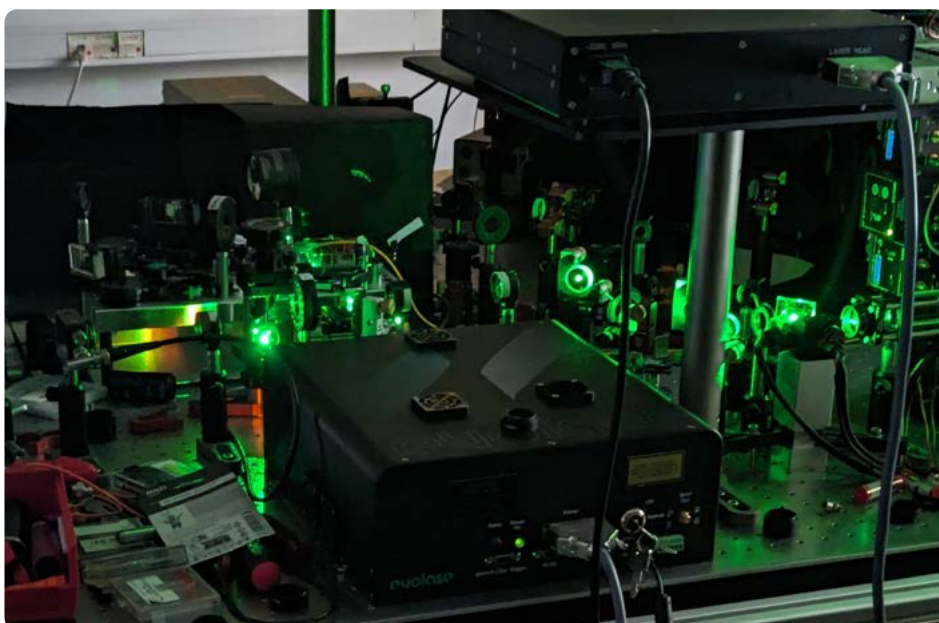
UKKO-NS-1064-100-250

- Up to 250 uJ peak power
- Up to 40 W average power
- Fiber and free space output

Specifications

| Model (UKKO-NS-...) | 532-30 | 532-80 | 1064-100 | 1064-250 |
|---|---|------------|--------------------------------|------------|
| Central wavelength | 532 ± 1 nm | | 1064 ± 1 nm | |
| Laser pulse repetition rate range | 10–10 000 kHz | | | |
| Max. average output power | Up to 10 W | | Up to 40 W | |
| Max. pulse energy | 30 µJ | 80 µJ | 100 µJ | 250 µJ |
| Power long term stability over 8 h after warm-up (Std.dev.) | < 1.0 % | | | |
| Pulse duration (FWHM) at 1064 nm | 0.7–5 ns | 0.7–100 ns | 0.7–5 ns | 0.7–100 ns |
| M ² parameter | < 1.3 | | | |
| Linewidth (FWHM), nm | < 200 pm | | | |
| Polarization (PER) | > 20 dB | > 20 dB | > 20 dB | > 15 dB |
| Beam circularity, far field | > 0.85 | | | |
| Beam divergence, full angle | < 3 mRad | | | |
| Astigmatism | < 0.1 | | | |
| Beam diameter (1/e ²) at 50 cm distance from laser aperture | 1±0.2 mm | | | |
| Output | Free space | Free space | 1) bare fiber 2) collimator | Free space |
| Control interfaces | RS232, LAN, USB, external TTL triggering, TTL signal output synchronized with optical pulse | | | |
| Mains requirements | 24 VDC | | | |

* two options for cooling: conduction cooling and aircooling (heatsink module with fans)



Drawings

