

The Rock™ METEOR

High Energy Fiber Laser System



Features

- Millijoule Output Energy
- Up to 25W Output Power
- Transform Limited Linewidth
- Ruggedized Turnkey system
- Center wavelength 1018 –1080 nm, 1528-1575nm
- Near-single mode ($M2 < 1.3$)
- Polarization Maintaining (PER >15dB)
- Collimated output
- Customizable
- All- Fiber construction

PRODUCT SPECIFICATIONS

Parameter	Value
Wavelength	1064 nm, 1550 nm (Other wavelengths available upon request)
Seed Laser Optical Linewidth	<3kHz (down to 500 Hz available)
Output Energy	100 μ J to 1.3 mJ
Output Average Power	0.5 to 25 W
Output Peak Power	≥ 500 kW (SRS / SPM limited) , ≥ 6 kW (SBS limited)
Pulse Width	20 ps to 2000 ns, or CW (multiple pulse options)
Repetition Rate	100Hz to 5 MHz (typical 10-100 kHz)
Polarization Extinction Ratio (PER)	≥ 15 dB
Beam Quality	$M2 \leq 1.5$ (typically ≤ 1.3 based on wavelength)
Output Optical Linewidth	Transform Limited
Output Format	Collimated beam, nominal 2mm width (other beam widths and output isolator available upon request)
Package Dimension (nominal)	20" (W) x 20" (H) x 20"(L)
Cooling	Water, Air



NP Photonics Rock Fiber Laser Sources are protected by a 12-month warranty. All components and assemblies are unconditionally warranted to be free of defects in workmanship and materials for the warranty period, beginning from the date of shipment. This warranty is in lieu of all other warranties, expressed or implied, and does not cover incidental or consequential loss. This warranty does not apply to devices damaged due to operating conditions outside of the specified parameters. Modified warranties for OEM customers are available.