



LFP-50T

Technical Specifications

High Power Micromachining
Picosecond Laser

Laser Parameter

| Wavelength | nm | 1064 | | 532 | |
|--------------------------------|----------------|-----------------|-----|------|-----|
| | | | | | |
| Max. Output Power (before POD) | W | 15 | 50 | 9 | 30 |
| Max. Output Power (after POD) | W | 12 | 40 | 7 | 24 |
| Max. pulse energy (before POD) | μJ | 120 | 400 | 60 | 200 |
| Pulse Width (FWHM) | ps | 15 | | | |
| Min. pulse repetition rate | kHz | 0, Single pulse | | | |
| Max pulse repetition rate | MHz | 30 | | | |
| Single pulse selection | MHz | Up to 4 | | | |
| Beam quality | M ² | < 1.4 | | | |
| Pulse peak power | MW | 8 | 25 | 3.5 | 13 |
| Beam Diameter | mm | 2.0 | | 2.0 | |
| Beam divergence (full angle) | mrad | < 1.0 | | <0.5 | |
| Polarization | mrad | Linear Vertical | | | |

Environmental and Electrical Operating Conditions

| | | |
|--------------------------|---------------------------------------------------------------------------------------------------------------|-----------------|
| Electric | VAC/A | 230/10 |
| Frequency | Hz | 50/60 |
| Max Power consumption | kW | 2.02 |
| Weight output module | kg | 60 |
| Weight power supply | kg | 230 |
| Operational Temperature | °C | 18 - 35 |
| Dimensions output module | mm (h x w x l) | 198 x 371 x 985 |
| Cooling | City water cooled, 8 l/m @ 15° C max temp. Self-contained, refrigerated chiller 1-kW heat vented into room | |

Options

Power / cooling supply as 19" rack mount for integration

Simplicity breeds reliability