

HIGH-POWER PULSED FIBER LASER

- Uniform control interface
- Wide frequency range
- Excellent beam quality
- High single pulse energy
- Very competitive price



SPECIFICATION

| Product Name | RFL-P200 | RFL-P300 | RFL-P500H | RFL-P1000 |
|---------------------------------------|---------------------------------|---------------------------------|---|----------------------------------|
| Output Power | 100 W@10 kHz 200 W@20-50 kHz | 250 W@20 kHz 300 W@30-50 kHz | 500 W@10 kHz/100 ns 500 W@13 kHz/70 ns 500 W@15kHz/50 ns 500 W@25 kHz/30 ns 500 W@45kHz/20 ns | 400 W@10 kHz 1000 W@20-50 kHz |
| Wavelength | 1064±5 nm | 1064±5 nm | 1064±5 nm | |
| Repetition Frequency Range | 10-50 kHz | 20-50 kHz | 10-100 kHz | 10-50 kHz |
| Polarization State | Random | Random | Random | Random |
| Pulse Width | 90-130 ns | 120-160 ns | 20-100 ns | 90-160 ns |
| Single Pulse Energy | 10 mJ@20 kHz | 12.5 mJ@20 kHz | 50 mJ@10 kHz@100 ns | 50 mJ@20 kHz |
| Output Power Stability | <5 % | <5 % | <5 % | <5 % |
| Terminal Type | QBH | QBH | QBH | QBH |
| Output Fiber Core | 100 μm | 100 μm | 400 μm | 400 μm |
| Delivery Cable Length | 5 m | 5 m | 15 m | 15 m |
| Power Supply | 230 V, Single Phase | 230 V, Single Phase | 230 V, Single Phase | 230 V, Single Phase |
| Range of Power (%) | 10-100 % | 10-100 % | 10-100 % | 10-100 % |
| Power Consumption | 1000 W | 1500 W | 2500 W | 5000 W |
| Dimensions (mm) width*height*depth | 485x237x763 | 485x237x763 | 480x253x798 | 698x898x846 |
| Cooling | Water | Water | Water | Water |
| Operating Temperature | 10 – 40 °C | 10 – 40 °C | 10 – 40 °C | 10 – 40 °C |