Pulsed Fiber Laser
Wavelength: 1060nm
200W EP-M

Benefits

- Greater flexibility
  Range of pulses for new and improved applications
- Superior quality
  Industry leading reliability and product warranty
- Increased productivity
  Higher powers and pulse rates for faster processing
- Improved profitability
  Low cost of ownership with no service requirements

Applications

- Ablation
- Cleaning
- Drilling
- Engraving
- Marking
- Micro-machining
- Precision cutting
- Scribing
- Solar cell processing
- Thin film patterning
- Thin foil cutting
- Welding

200W EP-M is ideal for...

High speed cleaning
With large spot sizes ($M^2 \sim 5$)
  - Large area rust & paint removal
  - Polishing with $R_a < 1\mu m$

High speed welding
With pulse energy >5mJ
  - Metal foils up to 2.5mm
  - Dissimilar metals

High speed engraving
With peak power >40kW
  - VIN marking
  - Drilling holes >120µm

To Purchase: Call us on +44 (0) 1489 779 696
www.spilasers.com | sales@spilasers.com
© SPI Lasers UK Ltd
SM-S00544_C
Parameter | Unit | SP-200P-A-EP-M
--- | --- | ---
Central emission wavelength | nm | 1061 - 1067
Nominal average output power | W | 200
M² | - | 5
Collimated beam diameter | mm | 10
PulseTune waveforms | - | >45
Maximum pulse energy | mJ | >5
Maximum peak power | kW | >50
Pulse duration range | ns | 12 - 2000
Pulse repetition frequency (PRF) range | kHz | 1 - 4000
CW mode (with modulation) | kHz | No

**System integration details**

Parameter | Unit | SP-200P-A-EP-M
--- | --- | ---
Cooling | - | Air
Beam delivery cable length | m | 3 / 5
Laser module dimensions | mm | 473 x 417 x 133
Power supply voltage | V DC | 36
Power supply requirement | W | 950
Operating temperature range | °C | +10 to +40
Relative humidity range | - | 5-95% RH (non-condensing)

To learn more about our redENERGY G4 Fiber Laser products visit our website: **www.spilasers.com**

**Terms and Conditions**
All product information is believed to be accurate and subject to change without notice. A complete product specification will be issued on request and also at time of order acknowledgement. The user assumes all risks and liability whatsoever in connection with the use of the product and its application. These lasers are designed as products for incorporation or integration into other equipment.