

Q C W L A S E R

# QCW-300/3000SM-A

en | Data sheet | 1.1.1

- Single-mode fiber core
- QCW and CW operation
- Peak power up to 3000 Watt
- Outstanding cost-effectiveness

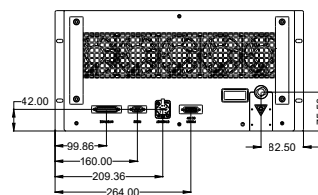
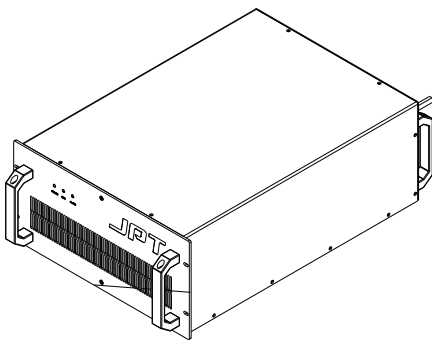
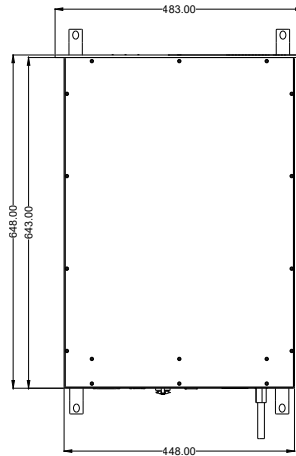
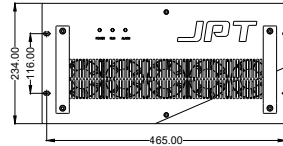
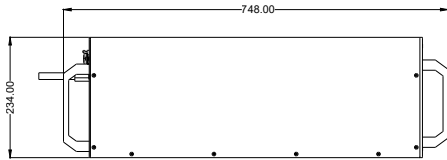


|                              |              |                                   |                    |
|------------------------------|--------------|-----------------------------------|--------------------|
| Wavelength                   | 1080 nm      | Polarization                      | Random             |
| Nominal output power         | 300 W        | Fiber length                      | 5 m                |
| Nominal output power (CW)    | 400 W        | Cooling method                    | Air                |
| Laser operation mode         | QCW          | Aiming beam                       | Standard           |
| Beam parameter product (BPP) | 0.55 mm*mrad | Output type                       | QBH                |
| Fiber core diameter          | 25 µm        | Supply voltage DC                 | 48 V               |
| Max. peak pulse power        | 3000 W       | Power consumption @ 20°C          | 1900 W             |
| Pulse width                  | 0.01 – 10 ms | Operation temperature             | 0 – 35 °C          |
| Max. pulse energy            | 30 J         | Storage temperature               | -20 – 50 °C        |
| Modulation frequency         | 1 – 10000 Hz | Mechanical dimensions (W × D × H) | 648 × 234 × 483 mm |
| Power instability Ø          | 3%           | Net weight                        | 65 kg              |
| Power tuning range           | 10 – 100%    |                                   |                    |

Product customizations are possible on request.

Information is subject to change without notice. Product photos are non-binding and may show customized features.





## JPT

Manufacturer

QCW laser

QCW-300/3000SM-A

Dimensions are given in millimeters and are intended as reference values.  
Binding information is available on request.

