

FC-642/1-3W



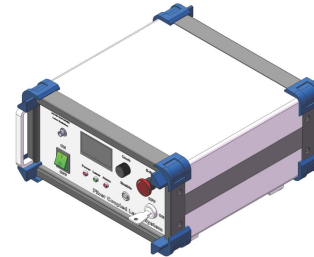
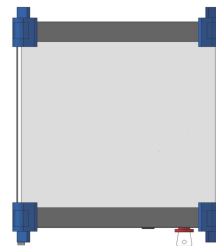
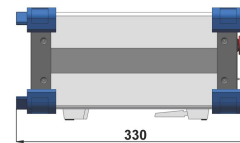
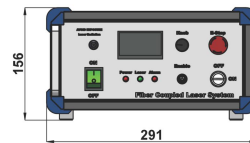
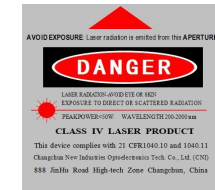
# FIBER COUPLED LASER SYSTEM AT 642nm

It integrates laser, fiber coupled optics, laser power supply and temperature control into housing. They are widely used for medical, biomedical and industrial.



## SPECIFICATIONS

|                                           |                                                                    |
|-------------------------------------------|--------------------------------------------------------------------|
| Central wavelength (nm)                   | 642±5                                                              |
| Operating mode                            | CW                                                                 |
| Output power after fiber (W) <sup>1</sup> | 1-3                                                                |
| Power stability (rms, 4 hours ± 3°C)      | <2%, <1%, <0.5%                                                    |
| Fiber core diameter <sup>2</sup>          | 400μm, 0.22 NA                                                     |
| Fiber connector                           | SMA905, FC/PC optional                                             |
| Fiber length <sup>3</sup>                 | 1m                                                                 |
| Fiber jacket                              | Metal, PVC optional                                                |
| Warm-up time (minutes)                    | <5                                                                 |
| Cooled method                             | Air cooled                                                         |
| Operating temperature (°C)                | 10-35                                                              |
| Operating voltage (VAC)                   | 100-240                                                            |
| Modulation option                         | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional |
| Expected lifetime (hours)                 | >10000                                                             |



**330 (L) ×291 (W) ×156 (H) mm<sup>3</sup>, 10.0kg**

- 1 Any power level can be selected in this range.
- 2 Other fiber core diameter are available on request.
- 3 Other lengths are available on request.
- 4 Output power adjustable 10-100%; RS232 control optional.

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