

## YL-I-450 1~40W

### DIODE LASER AT 450nm

Diode laser 450nm is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.

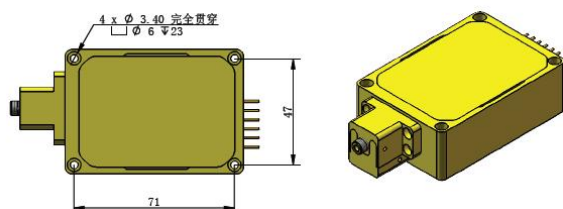
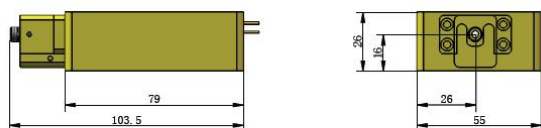


#### SPECIFICATIONS

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Wavelength (nm)                      | 450±5                               |
| Operating mode                       | CW                                  |
| Output power (W) @ after 400um fiber | 1~40                                |
| Fiber Core Diameter (um)             | 100, 200, 400, 600                  |
| Fiber Connector                      | SMA905/ FC                          |
| Numerical Aperture (NA)              | 0.22                                |
| Fiber length (m)                     | 1 (Fiber length can be customized ) |
| Power stability (rms, over 4 hours)  | <1%                                 |
| Cooled method                        | With TEC/ without TEC optional      |
| Warm-up time (minutes)               | <5                                  |
| Operating temperature (°C)           | 25+/-3                              |
| Expected lifetime (hours)            | 10000                               |
| Warranty                             | 1 year                              |

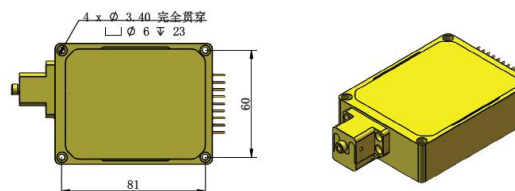
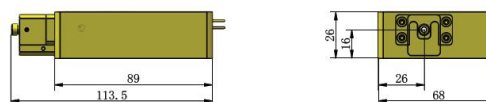


#### Dimensions of Laser head (Without TEC)



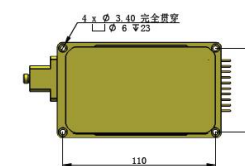
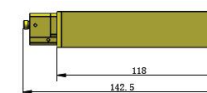
1-15W

103.6 (L)\*55 (W)\*26 (H) mm<sup>3</sup>



16-30W

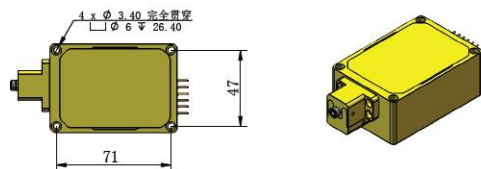
113.5 (L)\*68 (W)\*26 (H) mm<sup>3</sup>



31-40W

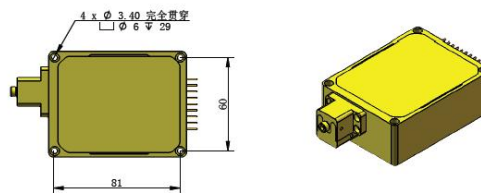
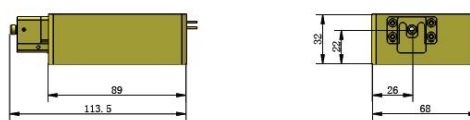
142.5 (L)\*68 (W)\*26 (H) mm<sup>3</sup>

### Dimensions of Laser head (With TEC)



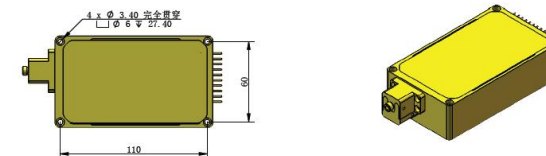
1-15W

103.6 (L)\*55 (W)\*32 (H) mm<sup>3</sup>



16-30W

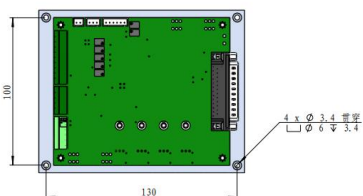
113.5 (L)\*68 (W)\*32 (H) mm<sup>3</sup>



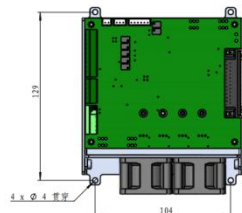
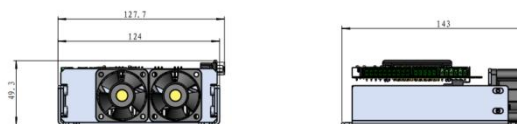
31-40W

142.5 (L)\*68 (W)\*32 (H) mm<sup>3</sup>

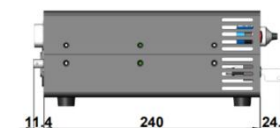
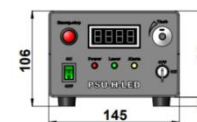
### Driver (Optional)



140 (L)\*110 (W)\*24 (H) mm<sup>3</sup>

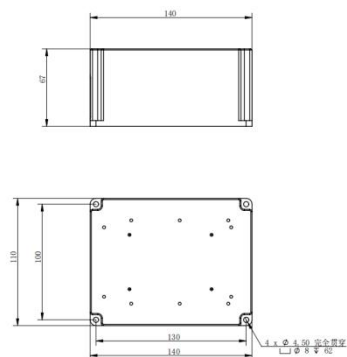


143 (L)\*127.7 (W)\*49.3 (H) mm<sup>3</sup>

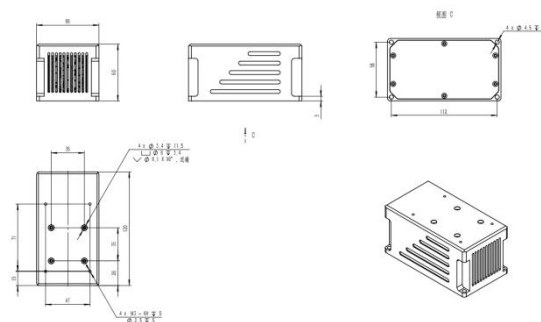


276.2 (L)\*145 (W)\*106 (H) mm<sup>3</sup>

### A heat dissipation

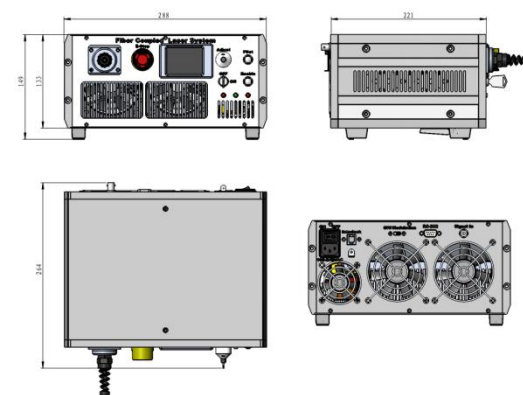


140 (L)\*110 (W)\*67 (H) mm<sup>3</sup>



120 (L)\*66 (W)\*60 (H) mm<sup>3</sup>

### FC-W



264 (L)\*288 (W)\*149 (H) mm<sup>3</sup>