

650nm Accurate Wavelength Laser System of AWS Series



DESCRIPTION

Our company has specially developed 650nm spatial output semiconductor light source for optical experiment and particle size measurement application. It has passed industrial design and batch production. The product has the advantages of compact structure, stable power, portable operation, etc., and meets the teaching and research and development needs of universities and scientific research institutions.

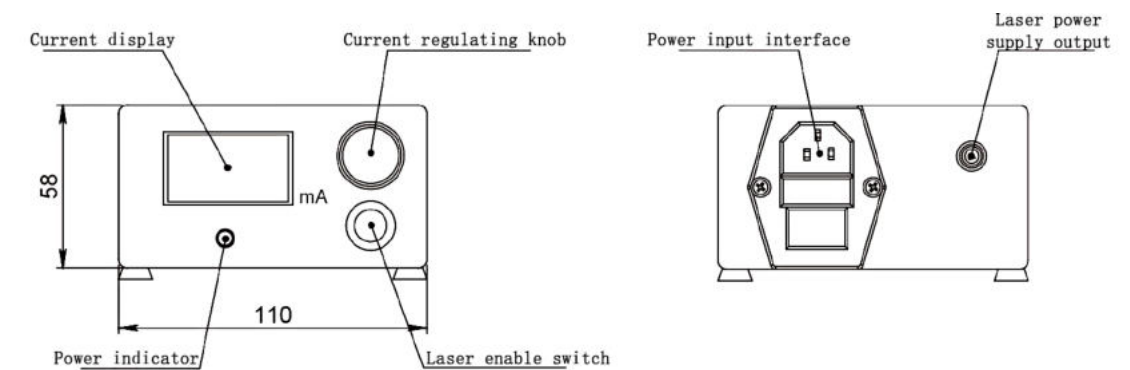
FEATURES

- Small and compact system
- Includes slow-start, short-circuit protection

APPLICATIONS

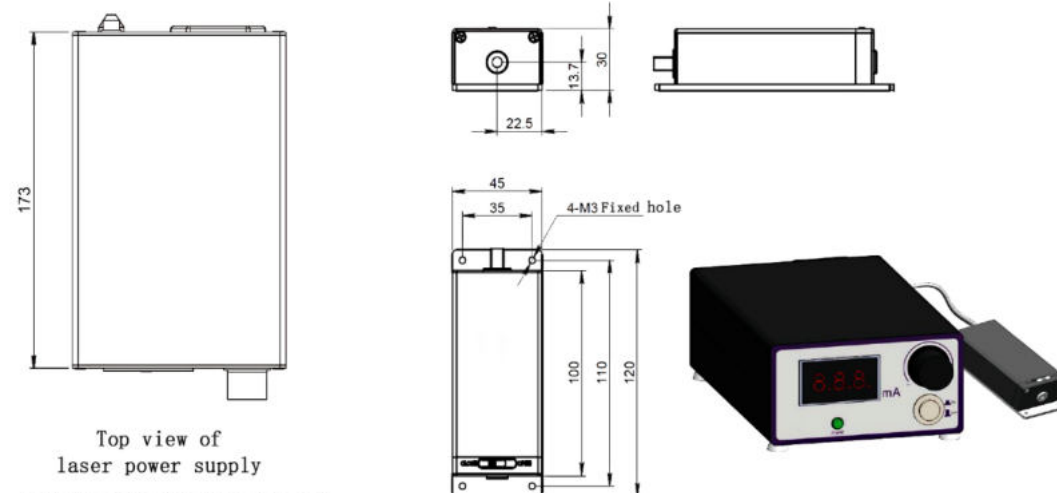
- Holographic detection
- Granularity measurement
- Laser guidance
- Optical experiment

| Model | CL650-SOW-5mW-AWS002 | CL650-SIF(FP)-2mW-AWS003 |
|------------------------------|----------------------|--------------------------|
| Central Wavelength (nm) | 650 | 650 |
| Wavelength Tolerance (nm) | ±5 | ±5 |
| Output Power (mW) | 5 | 2 |
| Spot size (mm) | 1.2 × 2.4 | / |
| Extinction ratio | 100:1 | / |
| Line width (nm) | 1 | 1 |
| Power stability | ±1.5% @8H | ±1.5% @8H |
| Divergence angle (mrad) | 0.4 × 0.2 | / |
| Power Adjustment Range | 0~100% | 0~100% |
| Preheat Time (Min) | 15 | 15 |
| Output Method | Spatial output | FC/PC |
| Adapted Fiber | / | 3.5μm, 0.14NA |
| Power Input | 100-200VAC, 50/60Hz | |
| System Power Consumption (W) | <2 | |
| Storage Humidity (RH) | 0~80% | |
| Storage Temperature (°C) | -10~60 | |
| Operating Temperature (°C) | 10~35 | |
| System Weight (Kg) | 2 | |
| Laser Head Size (mm) | 45 × 30 × 120 | / |
| Laser Power Size (mm) | 110 × 58 × 173 | 110 × 58 × 173 |



Front view of laser power supply

Rear view of laser power supply



Top view of laser power supply

Note: The built-in laser system does not include a laser head

Unit: mm

