

Quasi-CW Fiber Laser

HWQ SERIES

HWQ150 & HWQ150S



The HWQ150 & HWQ150S Fiber Laser are the third-generation laser technology developed by Han's Laser, offer superior beam quality, efficiency, and compact size.

► Application

- Medical Equipment
- Consumer Electronics
- Mobile Communication
- Auto Parts
- Lithium Battery

► Features

- Continuous/pulsed mode, high peak power
- High wall plug efficiency and low power consumption
- Durable optical device and maintenance-free operation
- Convenient installation and integration
- Small welding spot, heat affected zone and deformation
- Applying in consumer electronics, battery welding and cutting

Technical Parameters

HWQ150

HWQ150S

Optical Parameters

Wavelength	1080 ± 10 nm	
Max. Average Power	QCW Mode: 150 W CW Mode: 250 W	
Pulse Duration	0.05 ~ 50 ms	
Beam Quality	< 6	≤ 1.3
Fiber Core Diameter	50/100 μm	14/25 μm
Numerical Aperture	0.22	0.07
Max. Pulse Energy	15 J	
Max. Peak Power	1500 W	
Red Guide Laser Power	> 0.1 mW	
Power Stability	≤ 3 %	

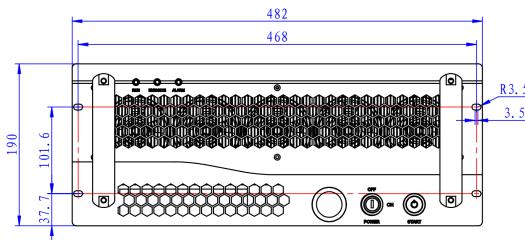
General Parameters

Supply Voltage	AC 220 V ± 10 % @ 50 Hz
Operation Temperature	10 ~ 35 °C
Storage Temperature	- 40 ~ + 75 °C
Relative Humidity	10 ~ 95 %, non-condensing
Cooling	Air-cooled
House Keeping Function	Waveform Editing / Operation Parameters / Working Mode / Diagnosis

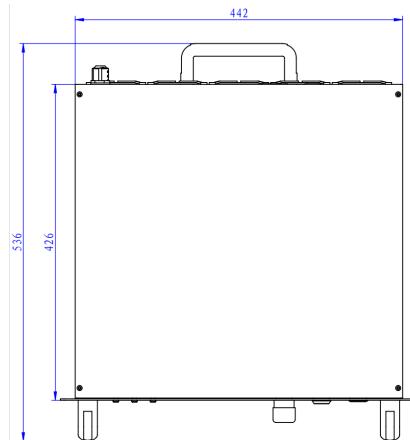
Physical Properties

Console Dimensions	426 mm × 442 mm × 190 mm (L × W × H)
Laser Weight	< 35 kg

► All specifications are typical data and subject to change without notice due to product improvements.

Laser Dimensions (mm)

Front View



Left View