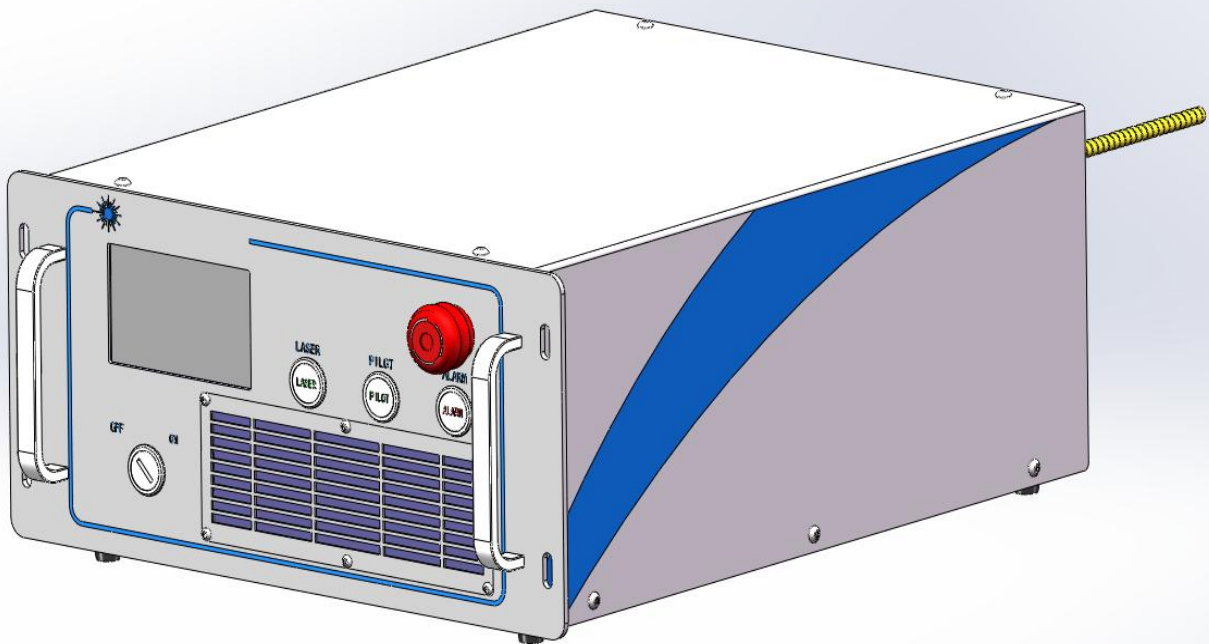


915nm High power semiconductor laser system

1. Product features and applications



Product features

- ◆ Out put power 100W
- ◆ Fiber 200 μ m/0.22NA
- ◆ Center wavelength 915 \pm 10nm

Applications

- ◆ Medical
- ◆ Material processing

2. Parameter (25°C)

	Typical	Unit
Optical parameters		
Output power	100	W
Power range	0-100	W
Threshold current	1.08	A
Operating current	15.5	A
Operating voltage	11.8	V
Min Pulse width	50	μs
Max modulation rate	10K	Hz
Rising time	<15	μs
Max power consumption	<300	W
Central wavelength	915±10	nm
Aiming light	650	nm
Output power	2	mw
Instability of output power	<3%@24h	
Input AC voltage	200-240 (50HZ)	V
Fiber parameters		
Fiber core diameter	200	μm
Metallic protective tube diameter	7	mm
Numerical Aperture	0.22	-
Fiber length	1-5	m
Connector	SMA905-SMA905	
Cooling mode	Air cooling	
Function		
RS232: Serial port adjustment mode	Remote control	
Local control	Button and screen operation	
PD detection closed-loop feedback	If over PD current, the system stops lasing	
Temperature detection closed-loop feedback	If over temperature, the system stops lasing	
AD control mode	0-10V analog modulation	
Work mode	CW/Pulse	

3. Absolute Ratings

	Min	Max	Unit
Operating Temperature	-10	40	°C
Operating Relative Humidity	-	75	%
Storage Temperature	-20	80	°C
Storage Relative Humidity	-	90	%

4. Dimensions (mm)

