
YFL-6000MM Ytterbium Multi-mode CW Fiber Laser Source



Techwin YFL-6000MM Ytterbium Multi-mode CW Fiber Laser Source, adopts latest industry technology and the optimization design, with high electro-optical conversion efficiency, high lifetime, high safety and reliability. The unit with high-quality output beam and strong capability on resisting high-reflective, can be widely used in all kinds of materials of laser cutting, welding, punching, 3D printing and other high-end smart manufacturing.

Techwin Fiber Laser Source, which is based on Internet technology, established a scientific after-sales service system. Each device has a unique identity code (the internal storage of original technology and material information). Can achieve remote online real-time monitoring; can provide users with equipment fault early warning and efficient technical support and good after-sales service.

Techwin Fiber Laser Source with high quality, high reliability and excellent cost performance, can meet the requirements of the customer diversification and personalized customization. It also with good after-sales service, is the ideal choice for system integrates and equipment

Features

- ▶High wall plug efficiency, greatly reduce power consumption
- ▶Strong capability on resisting high-reflective, suitable for different materials processing
- ▶Remote real-time monitoring
- ▶High lifetime, high safety and reliability
- ▶Can achieve personalized customization
- ▶Excellent after-sales service system
- ▶Excellent cost performance

Applications

- ▶Laser cutting
- ▶Laser welding
- ▶Laser cladding
- ▶Laser brazing
- ▶Laser thermolizing

Techwin (China) Industry Co., Ltd

Specification

Performance		Min	Typ.	Max.	Supplement	
Optic Feature	Central wavelength	(nm)	107	1080	1090	
	Spectral bandwidth	(nm)		5	8	3dB
	Output optical	(W)		6000		
	Power ADJ. range	(%)	10		100	
	Output power stability	(%)		-1	1	100% continuous > 1h
				±2	±3	100% continuous > 24h
	Modulation frequency.	(KHz)			5	100%output
Glow power	(mW)	0.3		1.0		
Output Feature	Output connector			QBH		6000W
	Beam quality(BPP)	(μm)	3.5		4.5	Output fiber
			5		6.5	Output fiber
			6.5		9	Output fiber
	Output fiber length	(m)		20		Customize
	Output fiber core-diameter	(μm)	100 (150 / 200)			
	Output fiber	(mm)	200			
	Working mode		Continuous modulation			
Polarization state		Random			Random	
Electric cooling Feature	working voltage	(V)	360	400	440	VAC
	Input power	(KW)			20	YFL-6000MM 100%
	Laser on time	(μs)				
	Laser off time	(μs)				
	Modulation					
	Cooling method	(L/min)	Water-cooling			Circumscribed
General Feature	Working	(°C)	10	25	40	
	Working	(%)	10		80	
	Storage temp.	(°C)	-10	25	60	
	Weight	(kg)		63		
	Cooling medium		Distilled water(Above 0 °C)/Ethylene glycol			
	Size	mm	(L)x(W)x(H)=796x442x221			