YFL-4000MM Ytterbium Multi-mode CW Fiber Laser Source

Techwin YFL-4000MM 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 manufacturers.

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

Specification

Performance			Min.	Typ.	Max.	Supplement
Optic Feature	Central wavelength	(nm)		1080		
	Spectral bandwidth	(nm)			5	3dB
	Output optical power	(W)		4000		
	Power ADJ. range	(%)	10		100	
	Output power stability	(%)		-1	1	100% continuous > 1h
				-2	2	100% continuous > 24h
	Beam quality	(M^2)	10	11	13	100um
	Modulation frequency.	(KHz)	20		20~50	
	Glow power	(mW)	0.3		1.0	
Output Feature	Output connector			QBH		
	Output fiber	(μm)		100		
	Output fiber length	(m)		15		Customize
	Output fiber bending	(mm)	200			
	Working mode		Continuous modulation			
	Polarization state		Random			Random
Electrical cooling Feature	Telecommunication		RS232 / AD / Super terminal			
	Remote		APP			Customize
	Power supply	(V)				
	Power consumption	(KW)		11		
	Cooling method		Water-cooling			Circumscribed
	Coolant temp.	(℃)	21		25	
	Coolant flow	(L/min		40		
General Feature	Working environment	(℃)	10		40	
	Working environment	(%)	10		85	
	Storage temp.	(℃)	-10		60	
	Weight	(kg)		63		
	Structure		Machine cabinet			