CYL-6000

1.0μM Multimode Group Continuous Fiber Laser

PRODUCT DESCRIPTION

GT Lasers's CYL-6000 1.0μm multimode group continuous fiber laser, 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.

GT Lasers, 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.

GT Lasers's products 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.

PRODUCT FEATURE

▶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

MAIN APPLICATION

▶Laser cutting.

▶Laser welding.

▶Laser cladding.

▶Laser brazing.

▶Laser thermolizing.

TECHNIQUE INDEX

Performance			Min.	Typ.	Max.	Supplement
Optic Feature	Central wavelength	(nm)	1070	1080	1090	
	Spectral bandwidth	(nm)		5	8	3dB
	Output optical power	(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 core-diameter100um
			5		6.5	Output fiber core-diameter150um
			6.5		9	Output fiber core-diameter200um
	Output fiber length	(m)		20		Customize
	Output fiber core-diameter	(μm)	100（150 / 200 Customize）			
	Output fiber bending radius	(mm)	200			
	Working mode		Continuous modulation			
	Polarization state		Random			Random
Electrical cooling Feature	working voltage	(V)	360	400	440	VAC
	Input power	(KW)			20	CYL-6000/M 100% output
	Laser on time	(μs)				
	Laser off time	(μs)				
	Modulation frequency.					
	Cooling method	(L/min)	Water-cooling			Circumscribed
General Feature	Working environment temp.	(°C)	10	25	40	
	Working environment humidity	(%)	10		80	
	Storage temp.	(°C)	-10	25	60	
	Weight	(kg)		63		
	Cooling medium		distilled water(Above 0 ℃)/Ethylene glycol antifreeze(Below 0℃)			
	Size	mm	(L)x(W)x(H)=796x442x221			

ORDER INFORMATION

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C	Continuous wave	Y	YDF 1.0μm	Optical fiber laser	Output powers		Output connector		Output fiber core-diameter		Fiber length	
P	Puls	E	EDF EYDF 1.5μm		6000	6000W	QBH	QBH	100	100/360	20	20m
							LOE	LOE	150	150/360	20	20m
							QCS	QCS	200	200/360	XX	Customize
									030	30/400		
									020	20/400		
									050	50/360		