

Mopa Fiber Lasers

LP 20W/30W/50W

JPT LP series pulsed fiber lasers make use of master oscillator power amplifier (MOPA) configuration and show excellent laser performance as well as high level of temporal pulse shaping controllability. Compared with Q-switching technology, LP series has greater flexibility, wider frequency range, higher control precision and superior first pulse.

Application Advantages

- Scribing, Drilling
- Marking on fly
- Sheet metal cutting, Welding
- Laser derusting
- Surface treatment
- Metal surface processing, Peeling coating

Characteristics Of LP 20W/30W/50W Fiber Laser

	Unit	Parameter		
Product Model		YDFLP-E-20-LP-S	YDFLP-E-30-LP-S	YDFLP-E-50-LP-L-R
M ²		<1.5		<1.8
Armored Cable Length	m	2		3
Nominal Average Output Power	W	>20	>30	>50
Maximum Pulse Energy	mJ	0.8		1.25
Pulse Repetition Rate Range	kHz	1 ~ 600		
Pulse Duration	ns	200		
Output Power Stability	%	<5		
Cooling Method		Air Cooled		
Supply DC Voltage (VDC)	V	24		
Maximum Power Consumption	W	<110	<150	<220
Environmental Supply Current	A	>5	>7	>10
Central Emission Wavelength	nm	1064		
Emission Bandwidth@3dB		<15		
Polarization Orientation		Random		
Anti-high Reflection		Yes		
Output Beam Diameter	mm	7±0.5		
Output Power Tuning Range	%	0 ~ 100		
Operation Temperature	℃	0 ~ 40		
Storage Temperature		-10 ~ 60		
N. W	KG	3.75	4.25	8.2
Size (L×W×H)	mm	245*200*65		325*260*75