

规格指标/ Specification

参数单元 Parameter Unit	参数 Parameter		
系列型号 Product Model	YDFLP-E-20-LP-S	YDFLP-E-30-LP-S	YDFLP-E-50-LP-L-R
M ²	<1.5		<1.8
输出铠缆长度 Delivery Cable Length	2 m		3 m
平均输出功率 Nominal Average Output Power	>20 W	>30 W	>50 W
最大脉冲能量 Maximum Pulse Energy	0.8 mJ		1.25 mJ
频率可调范围 Pulse Repetition Rate Range	1~600 kHz		
脉冲宽度 Pulse Duration	200 ns		
输出功率不稳定性 Output Power Stability	<5 %		
冷却方式 Cooling Method	风冷 Air Cooled		
供给电压 Supply DC Voltage (VDC)	24 V		
需求电流 Current Consumption	<5 A	<7 A	<10 A
环境供给电流 Environmental Supply Current	>5 A	>7 A	>10 A
功耗@20°C Power@20°C	<110 W	<150 W	<220 W
中心波长 Central Emission Wavelength	1064 nm		
谱宽@3dB Emission Bandwidth@3dB	<15 nm		
偏振方向 Polarization	随机 Random		
光束直径 Output Beam Diameter	7±0.5 mm		
功率调节范围 Output Power Tuning Range	0~100 %		
工作温度范围 Operation Temperature	0~40 °C		
储存温度范围 Storage Temperature	-10~60 °C		
净重 N.W.	3.75 kg	4.25 kg	8.2 kg
尺寸(LxWxH) Size	245x200x65 mm	245x200x65 mm	325x260x75 mm

LP E-20W/30W/50W

产品描述/ Product Description

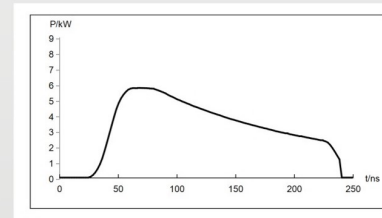
杰普特LP系列是采用直接电调制半导体激光器作为种子源(MOPA)方案的光纤激光器,具有优质的激光特性和良好的脉冲形状控制能力。与调Q光纤激光器相比,LP系列激光器具有更大的灵活性,可实现更大范围的频率调节,控制精度更高,首脉冲表现更优秀。



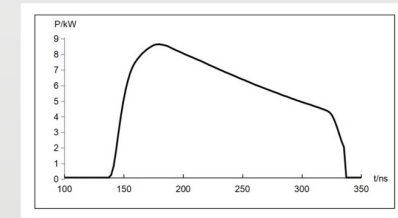
JPT LP series pulsed fiber lasers make use of master oscillator power amplifier (MOPA) configuration, and show excellent laser performance as well as high level of temporal pulse shaping controllability. Compared with Q-switching technology, LP series has greater flexibility, wider frequency range, higher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

应用优势/ Application Advantages

- 雕刻、钻孔
Scribing, Drilling
- 薄板切割、焊接
Sheet metal cutting, Welding
- 表面处理
Surface treatment
- 飞行打标
Marking on fly
- 激光除锈
Laser derusting
- 剥阳极、剥涂层
Metal surface processing, Peeling coating



20W/30W LP波形图
20W/30W LP Waveform Graph



50W LP波形图
50W LP Waveform Graph