CW Fiber Lasers

CW 500W-1000W

JPT single mode fiber laser(500W-1000W) is the optimal combination of optical, mechanical, electrical and software components. Through the controlling ports and the controlling software, the operating status of the laser can be monitored in real time, alarm messages can be received in time, and data can be collected. The laser uses water-cooling and shelf case design, with competitive advantage like high energy conversion (electric to light), low power consumption, maintenance free, fiber delivery, and easy to assemble, it is the most suitable laser source for industrial laser welding, cutting and other applications.

Application Advantages

- Laser cutting
- Laser welding
- 3D printing
- Precision drilling
- Other applications

Characteristics Of CW 500W-1000W Fiber Laser

	Unit	Parameter		
Nominal Average Output Power	W	500	800	100
Beam Parameter Product	mm*mrad	<2 @50μm		
Central Emission Wavelength	nm	1080		
Spectral Width@3dB	nm	＜6		
Armored Cable Length	m	8		
Cooling Method		Water Cooled (Purified Water)		
Operating Voltage	V	Single-phase 220 (AC)±10%		
Maximum Power Consumption	W	1800	2700	3300
Switch on/off time	us	<20		
Maximum Modulation Frequency	kHz	20		
Operation Temperature	℃	24 ~ 26		
Storage Temperature	℃	-20 ~ 50		
N.W	kg	36		
Size（W×D×H）	mm	483×484×133		