CW Fiber Lasers

CW 8000W-12000W

JPT CW laser(8000W/12000W) 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 move & 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
- Cladding
- Other applications

Characteristics Of CW 8000W-12000W Fiber Laser

	Unit	Parameter	
Nominal Average Output Power	W	8000	12000
Beam Parameter Product	mm*mrad	≤4 @100μm	
Central Emission Wavelength	nm	1080	
Spectral Width@3dB	nm	＜6	
Armored Cable Length	m	20	
Cooling Method		Water Cooled (Purified Water)	
Operating Voltage	V	Three-phase 380(AC)±10%	
Maximum Power Consumption	W	26000	40000
Switch on/off time	us	<20	
Maximum Modulation Frequency	kHz	5	
Operation Temperature	℃	23 ~ 26	
Storage Temperature	℃	-20 ~ 50	
N.W	kg	600	700
Size（W×D×H）	mm	870*1425*1382	