

ESSENTIAL SERIES FIBER LASER

CTK-FC1500-E



FEATURES

- Good beam quality
- Compact, rugged package
- Simplified control interface
- Easy maintenance operation
- High power, high efficiency, high reliability

APPLICATIONS

- Precision cutting
- Precision welding
- Scientific research
- Industrial applications
- Versatile metal processing

SPECIFICATION

OPTICAL CHARACTER	
Power	1500 W $\pm$ 7%
Wavelength	1080 nm $\pm$ 10 nm
Output Cable Length	10 m (Typical)
Output Cable Connector (Core Diameter)	QBH (50um, Typical)
Aiming Beam	>0.2 mW@650 nm
Operation Mode	CW / PWM
Polarization	Random
Power Stability (25°C)	>97% (2h)
Power Adjustment Scope	10% - 100%
Max Modulation Frequency	5 kHz

SIZE AND WEIGHT	
Physical Size (H x W x D)	75 mm x 402 mm x 295 mm
Weight	16 Kg

ELECTRONIC CHARACTER	
Power Supply	AC220V $\pm$ 10%, 50Hz/60Hz
Power Consumption	4 kW
Control Interface	RS232 / DB25

WATER COOLING PARAMETERS	
Minimum Water Cooling Capacity	2.5 kW
Temperature Settings	25 $\pm$ 1°C (Laser Module), 30°C (QBH)
Cooling Tubes Size	Φ 12 x 8 mm (Laser Module), Φ 6 x 4 mm (QBH)
Cooling Water Flow Rate (Laser Module)	8~10 L / min
Cooling Water Flow Rate (QBH)	1.5~2.0 L / min

