



**TÜBİTAK**  
BİLGEM



# 10 kW LASER SOURCE

SINGLE MODE FIBER LASER



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## SINGLE MODE FIBER LASER

### FEATURES

- Single Mode Operation (TEM<sub>00</sub>)
- Maintenance-free Operation
- Over 10 kW Average Power at 1080nm
- Modular Plug&Play Design
- High Wall-Plug Efficiency (%30)

### APPLICATIONS

- Directed Energy
- Defence
- High Reflective Material Processing

### DEVICE SPECIFICATIONS

#### OPTICAL

Operation Mode	CW-QCW
Central Wavelength	1080 nm
Average Power	10000 W
Power Stability	% 5
Beam Quality (M <sup>2</sup> )	<2.2

#### ELECTRICAL

Working Voltage	40-64 VDC
Nominal Power	<40 kW

#### MECHANICAL

Dimensions	PLU: 900x850x950 mm MOPA: 450x500x120 mm
Weight	<800 Kg
Output Fiber Length	>2 m
Method of Cooling	Liquid

#### ENVIRONMENTAL

Operation Temperature	min +10°C max +40 °C
Storage Temperature	min -20°C max +60 °C
Humidity	min % 10 max % 90



Photos above were taken from internet for illustration purposes of possible uses.

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