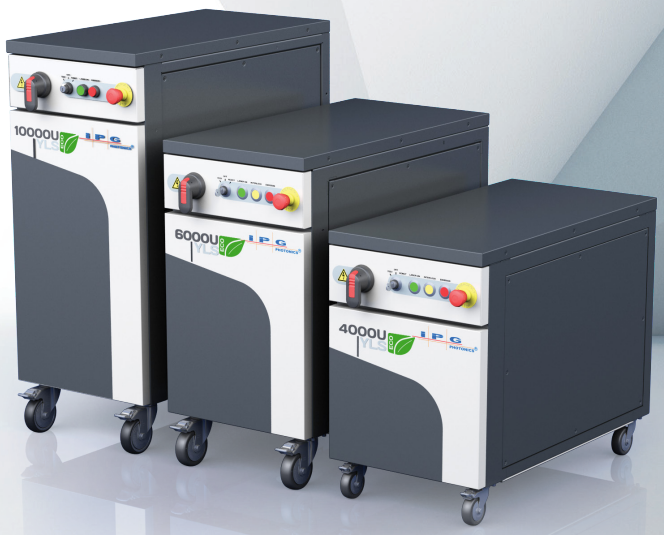
YLS-U-ECO SERIES

Highest-Efficiency Ultra-Compact Fiber Lasers

IPG ECO SERIES
FIBER LASERS ARE UP TO

2X

MORE ENERGY EFFICIENT THAN OTHER FIBER LASERS
+ ULTRA COMPACT



NEW

FEATURES

- Output Power 1-10 kW
- **Ultra-compact Size**
- **50% Energy Efficient**
- Low Operating Cost
- Maintenance-free Operation
- Record Reliability & Stability
- Compact & Rugged Design

APPLICATIONS

- 2D/3D Thin & Thick Cutting
- Processing Copper, Brass & Aluminum
- Stainless & Mild Steel Cutting
- Welding
- Drilling
- Cladding
- Brazing
- Heat Treating

NEW YLS-U-ECO ultra-compact high-power fiber lasers offer the **highest energy efficiencies** with unmatched reliability in the **smallest form factors**. Less input power required **dramatically reduces energy costs** without sacrificing output power.

YLS-U-ECO high-power fiber lasers offer **industry record energy efficiencies over 50%** paired with unmatched reliability and long-term power stability.

YLS-U-ECO high-power lasers are up to **2X more energy efficient than the competition**. Lower energy consumption **dramatically reduces operating costs** and chiller demands, making return on investment faster. YLS-U-ECO Series unparalleled reliability is perfectly suited for applications that cannot tolerate any downtime or service intervention. YLS-U-ECO excellent long term power stability ensures year after year consistent processing quality in all high power applications including cutting, welding, brazing, cladding and surface treatment.

YLS-U-ECO SERIES

Highest-Efficiency Ultra-Compact Fiber Lasers

Optical Characteristics	
Wavelength Range, nm	1074 ±6
Mode of Operation	CW/Modulated
Modulation Frequency, kHz	0-5
Max. Average Power*, kW	4, 6, 10
Power Tunability, %	10-100
Power Stability, %	±2
Output Fiber Core Diameter, µm	50, 100, 150, 200
Beam Parameter Product, mm × mrad	2.0, 3.3, 5.0, 6.0

General Characteristics	
Dimensions (W × D × H), mm	4 kW: 430 × 808 × 567 6 kW: 430 × 808 × 700 10 kW: 430 × 808 × 900
Weight, kg	140, 200, 250
Cooling	Water
Supply Voltage, VAC	400-480 3-phase, 50/60 Hz
Energy Efficiency, %	**50**

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