



## AAC CW Fiber Laser

### YLLS-1000-A

World-leading AAC technology, based on GW's robust single module design. Field proven long-time stable operation in harsh environment. Free of water freezing, humidity condensation and water contamination problems. Light weight, smaller form factor, highly mobile and easy to integrate.

#### Advantages

- AAC technology, without water chiller, maintenance-free
- Ambient temperature 0~45°C , non-stop operation for 24 hours
- Higher integration and easier installation
- Lower power consumption and more energy-saving

#### Applications

Can cooperate with laser processing head, galvanometer and robot, machine tool system integration, do laser fine cutting, precision welding processing, used in 3C, hardware, medical, automotive, aviation and other fields.

GW's economical laser series is oriented to the user group with the ultimate cost performance requirement, taking economy as the core, taking into account high quality and low price, which can fully meet the daily production and use needs of customers.

- AAC technology, accurate temperature control
- Ultra-low power attenuation, stable performance, double durability
- Excellent beam quality, anti-reflection design, suitable for a variety of high reflective materials processing applications
- SMAT Intelligent operating system



EO conversion efficiency  $\geq 40\%$



Easily process high anti materials



SMAT Intelligent operating system

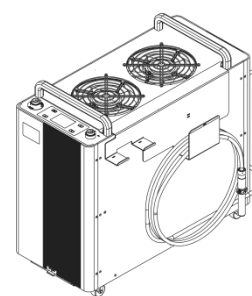
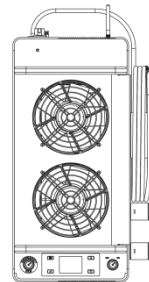
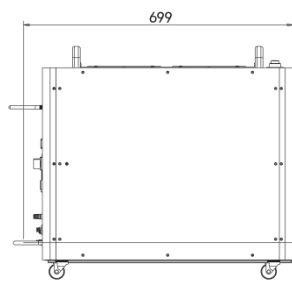
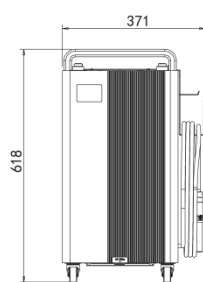


can run continuously for 24h

# AAC CW Fiber Laser

## YLLS-1000-A

Product specification parameter	YLLS-1000-A
Output Power (watt)	1000
Operating Mode	CW/Pulse
Output Power Range (%)	1-100
Output Laser Wavelength (nm)	1070±10
Beam Quality	$M^2 \leq 1.4$
Interface Type	QBH
Delivery Fiber Core Diameter (conventional configuration, optional)	25um
Cooling Method	Active air cooling
Ambient Temperature Range (°C)	0-50
Input Voltage	220VAC/50Hz
Dimension (mm)	699 x 371 x 573 (L×W×H)
Weight (kg)	< 55



Unit: mm

Legal Notice: All product information is believed to be accurate and subject to change without notice.

### Legal statement:

GW smart fiber laser products are designed in strict accordance with safety regulations. All production is in accordance with international standards and regulations currently in force in the country. Each GW laser has a warning sign as shown in the figure.

MAX. AVERAGE OUTPUT POWER: 12 kW  
MAX. PEAK OUTPUT POWER: 20 kW  
PULSE DURATION: 0.2-2 ms  
PULSE REPETITION RATE: 50 Hz-10 kHz  
WAVELENGTH RANGE: 900-1200 nm

DANGER - INVISIBLE LASER  
RADIATION AVOID EYE OR SKIN  
EXPOSURE TO DIRECT OR  
SCATTERED RADIATION  
CLASS 4 LASER PRODUCT

IEC 60825-1:2014



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