

1000W LED Grow Light Driver Easy Install For Indoor Plant Growth System

Our Product Introduction

for more products please visit us on growled-light.com

Basic Information

- Place of Origin: CHINA
- Brand Name: ANROFU
- Certification: CE ROHS FCC ETL DLC
- Model Number: USP-1000-56-BA
- Minimum Order Quantity: 1
- Delivery Time: 3-5 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000pcs per day



Product Specification

- Product Name: 1000W LED Grow Light Driver
- Input Voltage: 200-277VAC
- Output Voltage: 24-56VDC
- Warranty: 5 Years
- Ip Rating: IP67
- Dimensions: 420mm X 90.8mm X 44.5mm
- Input Current: 6.8A
- Power: 1000W
- Highlight: **1000W LED Grow Light Driver, LED Grow Light Driver Easy Install**

Product Description

1000W Maximize Your Plant Growth with Our Advanced LED Grow Light Driver

Product Description:

Measuring at 420mm X 90.8mm X 44.5mm, this LED Grow Light Driver is compact and easy to install. Its dimensions make it suitable for a wide range of indoor and outdoor applications. Whether you are growing plants in a greenhouse or a hydroponic system, this driver is the perfect choice.

With an output voltage range of 24-56VDC, this LED Grow Light Driver is capable of powering a variety of LED grow lights. It is designed to deliver a constant current to your lights, ensuring optimal performance and longevity. This driver is also highly efficient, minimizing energy waste and reducing your carbon footprint.

Investing in a reliable LED Grow Light Driver is crucial to the success of your indoor and outdoor gardening projects. Our driver is designed to provide a safe and efficient power source for your LED grow lights, ensuring healthy plant growth and maximum yields.

Don't settle for subpar drivers that can damage your LED grow lights and compromise your plants' health. Choose our LED Grow Light Driver for a reliable and efficient power source that will help you achieve your gardening goals.

Technical Parameters:

MODEL		USP-1000-56-A	USP-1000-56-B	USP-1000-56-BA	NOTE
INPUT	VOLTAGE	200~277VAC	200~277VAC	200~277VAC	
	FREQUENCY	50~60Hz	50~60Hz	50~60Hz	
	MAXIMUM INPUT CURRENT	6.8A	6.8A	6.8A	
	INRUSH CURRENT	≤60A	≤60A	≤60A	
	STANDBY POWER CONSUMPTION	≤3w	≤3w	≤3w	
	POWER FACTOR	≥0.98(200Vac) ≥0.98(230Vac) ≥0.97(277Vac)	≥0.98(200Vac) ≥0.98(230Vac) ≥0.97(277Vac)	≥0.98(200Vac) ≥0.98(230Vac) ≥0.97(277Vac)	Full-load
	THD	≤10.0% (200Vac) ≤10.0% (230Vac) ≤10.0% (277Vac)	≤10.0% (200Vac) ≤10.0% (230Vac) ≤10.0% (277Vac)	≤10.0% (200Vac) ≤10.0% (230Vac) ≤10.0% (277Vac)	Full-load
	VOLTAGE RANGE	24~56V	24~56V	24~56V	
	CURRENT RANGE	Max 22.0A	0~22.0A	0~22.0A	
	MAXIMUM NO-LOAD VOLTAGE	≤58V	≤58V	≤58V	

OUTPUT	EFFICIENCY	≥91.0% @200Vac ≥92.0% @230Vac ≥92.0% @277Vac	≥91.0% @200Vac ≥92.0% @230Vac ≥92.0% @277Vac	≥91.0% @200Vac ≥92.0% @230Vac ≥92.0% @277Vac	Full-load
	CURRENT ACCURACY	±5%	±5%	±5%	The actual≤±3%
	RIPPLE VOLTAGE	±1% max 2%	±1% max 2%	±1% max 2%	Full-load
	RIPPLE CURRENT	±5% max 10%	±5% max 10%	±5% max 10%	
	TURN ON TIME	≤2S	≤2S	≤2S	
	LINEAR ADJUSTMENT RATE	±1%	±1%	±1%	
	LOAD REGULATION	±3%	±3%	±3%	The actual≤±2%
AUXILIARY POWER SUPPLY (OPTIONAL)	OUTPUT VOLTAGE	/	/	12.8V±10%	
	OUTPUT(CURRENT)	/	/	300mA±5%	

✦ Dimming Performance (three-in-one dimming)

PARAMETER		LEAST VALUE	TYPICAL CASE	CREST VALUE	NOTE
0-10V DIMMING (OPTIONAL)	APPLIED PRESSURE	0V	0-10V	15V	Over 15V may cause the internal components of the power supply to burn out, and the function of the power supply is abnormal
	THE DIMMING RANGE	8%	10-100%	100%	DIM + comes with an output of 100 uA current
	PUSH THE DIMMING VOLTAGE	0.8V	1-10V	10V	DIM + and DIM-no output
RESISTANCE DIMMING (OPTIONAL)	EXTERNAL LIGHT ADJUSTMENT RESISTANCE	8K Ω	0-100KΩ	100KΩ	90 K Ω above is 100% output
	THE DIMMING RANGE	8%	10-100%	100%	DIM + comes with 100 uA constant flow output
PWM AIMING	PWM HIGH LEVEL	9.5V	9.6-10V	10.5V	Dimmer PWM high level maximum
	PWM LOW LEVEL	0V	0-0.35V	0.5V	Dimmer PWM low level maximum
	THE PWM DIMMING FREQUENCY SEGMENT	500Hz	1KHz	2KHz	Best job at 1 KHz

(SELECT ABLE)	PWM DUTY CYCLE	7%	10-100%	100%	DIM + and DIM-no output
	THE DIMMING RANGE	8%	10-100%	100%	DIM + comes with 100 uA constant flow output
THE DIMMING SHUT DOWN	TURN OFF THE VOLTAGE	5%	6%	7%	According to the voltage, PWM, resistance ratio
	CUT-IN VOLTAGE	6%	7%	8%	

Note: 1. When using PWM or voltage dimming, please note that the dimmer controller is set at 10% to the lowest dimming value, and be set to close below 10%, and the lower limit is not lower than 8%! For other dimming methods, please also refer to this method.

2. When the resistance is used for parallel dimming (parallel light modulation), the number of parallel units is: N, then the resistance for dimming~is: $90\text{ K}\Omega / N$, and the dimming resistance value must be greater than the calculated value, then 8% 100% dimming can be realized.

3. When the dimmer is used for dimming, when 20% of the power is input, the power supply may have slight noise and water ripple phenomenon. At this time, the power supply enters the light load and high efficiency frequency jump mode, which is a normal phenomenon.

✦ Other Performance

PARAMETER		SPECIFICATIO NS	NOTE
LIFE LENGTH	SHELL TEMPERATURE≤6 5	100000H	
	SHELL TEMPERATURE≤7 5	50000H	
DEFENCIV E FUNCTIO N	OVERCURRENT PROTECTION	95%~108%	Constant current limit mode, after the load abnormal mode is removed, the power supply will automatically restore the output
	SHORT-CIRCUIT PROTECTION	0-10%power (Intermittent beating)	
	OVERVOLTAGE CROWBAR	≥ floating voltage+10%	At the overtemperature Tc point, the power supply starts to linearly reduce the power, and the Tc temperature returns to the power supply in the normal working area
	OVERTEMPERAT URE PROTECTION	Tc drop≥93	
AVERAGE INTERVAL FAILURE TIME CALCULATION (MTBF)		189400H	230 Vac full load, ring temperature 25 (MIL-HDBK-217)
SHELL TEMPERATURE		Tc:max 98	If the power supply is added to 98 , the power supply is reduced to about 40%
CLASSIFICATION OF WATERPROOF		IP65	
QUALITY ASSURANCE		Five years	SHELL TEMPERATURE:≤75
WEIGHT		2.90Kg	USP-1000-56-BA model weight
SIZE		420.0*90.8*44. 5mm	Including the L-type mounting bracket dimensions on both sides
INPUT LINE SPECIFICATIONS		3*16 AWG L=450mm	The default wire length, the external wire length can only be large or equal, not small.
OUTPUT LINE SPECIFICATIONS		2*14 AWG L=300mm Double output	
TUNING LIGHT SPECIFICATIONS		2*22 AWG L=350mm	

DIMMING + AUXILIARY SOURCE LINE SPECIFICATION	3*22 AWG L=350mm
--	-----------------------------

Applications:

The LED Grow Light Driver is an essential component for any indoor plant growth system. It provides the necessary power to the LED lights, ensuring optimal growth conditions for plants. This product is suitable for a wide range of indoor plant growth applications, including hydroponics, vertical farming, and greenhouse cultivation.

The LED Grow Light Driver is designed to be compact and easy to install. Its dimensions are 420mm X 90.8mm X 44.5mm, making it suitable for use in tight spaces. The product is also IP67 rated, meaning it is protected against dust and water ingress, making it perfect for use in humid environments.

One of the standout features of our LED Grow Light Driver is its 5-year warranty. We are confident in the quality of our product, and we want our customers to have peace of mind when using it. With our LED Grow Light Driver, you can be sure that you are investing in a reliable and long-lasting product that will help you achieve optimal plant growth.

In summary, our LED Grow Light Driver is a high-quality product that is perfect for anyone looking to grow plants indoors. With its compact design, IP67 rating, and input voltage range of 200-277VAC, it is suitable for use in a wide range of applications. When you choose ANROFU, you can be sure that you are getting a product that is reliable, trustworthy, and backed by a 5-year warranty.

Support and Services:

The LED Grow Light Driver is a cutting-edge product designed to provide reliable and efficient power to your LED grow light system. Our technical support team is available to assist you with any questions or concerns you may have regarding the installation, operation, or maintenance of your LED Grow Light Driver.

In addition to our technical support, we also offer a range of services to ensure that your LED grow light system is running at peak performance. Our services include:

Calibration and testing of LED grow light systems

Repair and replacement of LED grow light drivers

Upgrades and modifications to existing LED grow light systems

Customization of LED grow light drivers to meet specific requirements

At LED Grow Light Driver, we are committed to providing our customers with the highest level of support and service. Contact us today to learn more about how we can help you get the most out of your LED grow light system.

ANROFU Shenzhen Hanyuan Intelligent Technology Co., Ltd.



+86 15017943686



wanghaiyan@anrofu.com



growled-light.com

3 Floor No.70,Zhulong Load, Fourth Industrial Shiyuan Street Bao'An District Shenzhen City,Guangdong,China