

IP67 1000W LED Driver Grow Light Small Size 200VAC-277VAC

Our Product Introduction

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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

- Input Voltage: 200-277VAC
- Output Voltage: 24-56VDC
- Application: Greenhouses, Grow Tents, And Indoor Farms.
- Warranty: 5 Years
- Ip Rating: IP67
- Power: 1000W
- Input Current: 6.8A
- Dimensions: 420mm X 90.8mm X 44.5mm
- Name: LED Driver Grow Light
- Highlight: **1000W LED Driver Grow Light, IP67 LED Driver Grow Light, LED Driver Grow Light Small Size**

1000W Professional LED Grow Light Driver for Maximum Plant Health and Yield**Product Description:**

The LED Grow Light Driver has an input voltage of 200-277VAC, which means it can be used with a wide range of electrical systems. This makes it a versatile and reliable choice for growers and gardeners who want a high-quality product that can adapt to their needs.

The dimensions of the LED Grow Light Driver are 420mm X 90.8mm X 44.5mm, making it a compact and space-saving option for those who want to maximize their indoor or outdoor growing space. Despite its small size, it packs a punch with its powerful performance and reliable operation.

If you're looking for a high-quality LED Grow Light Driver that offers reliable performance, durability, and versatility, then look no further than our top-of-the-line product. Order yours today and experience the benefits of our state-of-the-art technology, designed to help you grow healthier plants and crops with ease.

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 K Ω / 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 ≤ 65	100000H	
	SHELL TEMPERATURE ≤ 75	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	\geq 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
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Applications:

The LED Grow Light Driver has a minimum order quantity of 1 and can be delivered within 3-5 working days. The payment terms for the product are T/T, and the supply ability is 10000pcs per day. The product comes with a 5-year warranty, which gives the users peace of mind.

The LED Grow Light Driver has an output voltage ranges from 24-56VDC, and the input voltage is 200-277VAC. These specifications make it compatible with most LED grow lights available in the market.

The LED Grow Light Driver is suitable for various application occasions and scenarios. It is ideal for indoor growers who want to grow plants in a controlled environment. The driver provides the necessary power to the LED grow lights, which in turn promotes plant growth.

The LED Grow Light Driver is perfect for use in greenhouses, grow tents, and indoor farms. It can also be used for hydroponic systems, aquaponic systems, and vertical farms. The driver can be used for growing a wide range of plants, including vegetables, herbs, and flowers.

The LED Grow Light Driver is a must-have for anyone looking to improve their indoor growing experience. It is a reliable and efficient product that ensures optimal plant growth. Order your LED Grow Light Driver today and take your indoor growing to the next level!

Support and Services:

The LED Grow Light Driver product technical support and services include:

Assistance with product installation and setup

Troubleshooting for any technical issues that may arise

Product maintenance recommendations

Warranty information and claims processing

Access to online resources and documentation

Expert advice on optimizing plant growth and yields with the LED Grow Light Driver

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