

Compact LED Driver Grow Light 1000W For Optimal Plant Growth

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

- 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
- Power: 1000W
- Input Current: 6.8A
- Highlight: **Compact LED Driver Grow Light,
LED Driver Grow Light 1000W,
Plant Growth LED Driver Grow Light**

1000W High-Performance LED Grow Light Driver For Optimal Plant Growth

Product Description:

The LED Grow Light Driver is built to last, and it comes with a 5-year warranty to give you peace of mind. This driver is also rated IP67, which means that it is dust-tight and can withstand immersion in water up to 1 meter deep for up to 30 minutes. This makes it a perfect choice for use in indoor grow rooms where humidity and moisture levels are high.

The LED Grow Light Driver has an output voltage of 24-56VDC, which is perfect for powering most LED grow lights on the market. This voltage range is ideal for growing a variety of plants including vegetables, herbs, and flowers. The driver also has an input voltage range of 200-277VAC, which means that it can be used with a wide range of power sources.

The dimensions of the LED Grow Light Driver are 420mm X 90.8mm X 44.5mm, which makes it a compact and easy-to-install unit. The driver can be mounted on a wall or placed on a flat surface, depending on your preference. The compact size of the driver also makes it easy to transport and store when not in use.

The LED Grow Light Driver is a must-have for anyone who wants to grow plants indoors using LED grow lights. It is a reliable and efficient power source that delivers a stable voltage to your grow lights. The driver is built to last and comes with a 5-year warranty, so you can be sure that it will provide you with years of trouble-free service. With an IP rating of 67, the driver can withstand harsh indoor grow room conditions, making it a perfect choice for any indoor grower.

Features:

- Product Name: LED Grow Light Driver
- Ip Rating: IP67
- Output Voltage: 24-VD56C
- Warranty: 5 Years
- Application: Indoor

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	

OUTPUT	CURRENT RANGE	Max 22.0A	0~22.0A	0~22.0A	
	MAXIMUM NO-LOAD VOLTAGE	≤58V	≤58V	≤58V	
	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 HIGH LEVEL	9.5V	9.6-10V	10.5V	Dimmer PWM high level maximum

PWM AIMING (SELECTABLE)	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
	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		SPECIFICATIONS	NOTE
LIFE LENGTH	SHELL TEMPERATURE ≤ 65	100000H	
	SHELL TEMPERATURE ≤ 75	50000H	
DEFENSIVE FUNCTION	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
	OVERTEMPERATURE 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	

OUTPUT LINE SPECIFICATIONS	2*14 AWG L=300mm Double output	The default wire length, the external wire length can only be large or equal, not small.
TUNING LIGHT SPECIFICATIONS	2*22 AWG L=350mm	
DIMMING + AUXILIARY SOURCE LINE SPECIFICATION	3*22 AWG L=350mm	

Applications:

The ANROFU LED Grow Light Driver has an output voltage of 24-48V and an input voltage of 200-277VAC. It has an IP rating of IP67, meaning that it is dust-tight and can withstand immersion in water up to a depth of 1 meter. This makes it suitable for use in a variety of environments, including indoor and grow rooms.

The ANROFU LED Grow Light Driver is ideal for use in a variety of application occasions and scenarios. It can be used in commercial grow rooms, research facilities, and home-based grow rooms. It is compatible with a wide range of LED grow lights, making it a versatile product that can be used with different types of plants and growing conditions.

The ANROFU LED Grow Light Driver is backed by a 5-year warranty, which gives customers peace of mind and ensures that they are investing in a product that will last. This product provides a reliable and stable source of power for LED grow lights, ensuring that plants receive the right amount of light to thrive and grow.

Support and Services:

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

Assistance with installation and setup of the driver

Guidance on selecting the appropriate driver for specific grow light applications

Troubleshooting and diagnosis of any technical issues with the driver

Repair or replacement of defective drivers

Warranty and after-sales support

Please note that the specific technical support and services offered may vary depending on the manufacturer or supplier of the LED Grow Light Driver product.

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