

500W 100-277VAC LED Grow Light Driver IP67 For Indoor Garden

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-500-54-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: LED Grow Light Driver
- Warranty: 5 Years
- Dimensions: 350mm X 71.50mm X 42mm
- Output Current: 0-9.8A
- Application: Indoor
- Input Voltage: 100-277VAC
- Ip Rating: IP67
- Dimmable: 0-10V Dimming
- Highlight: 277VAC LED Grow Light Driver,
LED Grow Light Driver IP67,
100VAC LED Grow Light Driver

Product Description

500W 100-277V AC Maximize Plant Growth With Our Advanced LED Grow Light Driver

Product Description:

One of the key features of this LED Grow Light Driver is its input voltage range of 100-277VAC. This means that it can be used in a wide range of locations, making it a versatile choice for growers with varying electrical setups. Additionally, the output voltage range of 30-56VDC allows for flexibility in choosing the type of LED grow lights to be used.

The LED Grow Light Driver measures 350mm X 71.50mm X 42mm, making it compact and easy to install in a variety of settings. This combination of size and weight make it a great choice for those with limited space or those who need to move their grow operation frequently.

As an investment in your indoor gardening or farming operation, you want to ensure that your equipment is backed by a solid warranty. That's why the LED Grow Light Driver comes with a 5-year warranty. This provides peace of mind in the event that any issues arise with the driver during its expected lifespan.

In summary, the LED Grow Light Driver is an essential component for any indoor gardening or farming operation. Its input voltage range of 100-277VAC and output voltage range of 30-56VDC make it a versatile choice for growers with varying electrical setups. Its compact size and lightweight design make it easy to install and move as needed. And, with a 5-year warranty, you can feel confident in your investment for years to come.

Technical Parameters:

MODEL		USP-500-54	USP-500-54-B	USP-500-54-BA	NOTE
INPUT	VOLTAGE	100~277VAC	100~277VAC	100~277VAC	
	FREQUENCY	50~60Hz	50~60Hz	50~60Hz	
	MAXIMUM INPUT CURRENT	5.2A	5.2A	5.2A	
	INRUSH CURRENT	≤80A	≤80A	≤80A	
	STANDBY POWER CONSUMPTION	≤3w	≤3w	≤3w	
	POWER FACTOR	≥0.98(110Vac) ≥0.97(220Vac) ≥0.95(277Vac)	≥0.98(110Vac) ≥0.97(220Vac) ≥0.95(277Vac)	≥0.98(110Vac) ≥0.97(220Vac) ≥0.95(277Vac)	Full-load
	THD	≤7.0% (110Vac) ≤11.0% (220Vac) ≤10.0% (277Vac)	≤7.0% (110Vac) ≤11.0% (220Vac) ≤10.0% (277Vac)	≤7.0% (110Vac) ≤11.0% (220Vac) ≤10.0% (277Vac)	Full-load
OUTPUT	VOLTAGE RANGE	30~56V	30~56V	30~56V	
	CURRENT RANGE	Max 9.8A	0~9.8A	0~9.8A	
	MAXIMUM NO-LOAD VOLTAGE	≤58V	≤58V	≤58V	

	EFFICIENCY	≥91% @110Vac ≥92% @220Vac ≥93% @277Vac	≥91% @110Vac ≥92% @220Vac ≥93% @277Vac	≥91% @110Vac ≥92% @220Vac ≥93% @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 (SELECTABLE)	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
	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

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.

Applications:

The LED Grow Light Driver has a minimum order quantity of 1, making it accessible for both small and large-scale growers. With a delivery time of only 3-5 working days, customers can expect to receive their orders promptly. Payment terms are flexible, with T/T as an accepted mode of payment. An impressive supply ability of 10,000pcs per day ensures that customer demands are met efficiently.

The LED Grow Light Driver has an output voltage of 30-56VDC. Its input voltage of 100-277VAC makes it compatible with both indoor settings. Its light weight makes it easy to install and handle.

The LED Grow Light Driver is ideal for various occasions and scenarios. It can be used for indoor gardening, hydroponics, greenhouse cultivation, and plant factories. The driver can also be used for outdoor farming and gardening, providing the necessary power to LED grow lights.

Overall, the ANROFU LED Grow Light Driver is a reliable and efficient product that meets international standards. Its flexibility in terms of input voltage and weight makes it suitable for various indoor applications. With a high supply ability and efficient delivery times, customers can expect to receive their orders promptly. Place your order today and experience the benefits of using the ANROFU LED Grow Light Driver.

Support and Services:

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

Expert advice on product selection and compatibility

Guidance on installation and usage

Troubleshooting and diagnosis of issues

Repair or replacement of defective components

Regular maintenance and calibration

Software updates and upgrades

Product training and education

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