

Waterproof LED Grow Light Driver Dust Resistant 800W Energy Efficient

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-800-54-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

- Input Voltage: 120-277VAC
- Dimensions: 420mm X 90mm X 45mm
- Output Voltage: 30-56VDC
- Dimmable: 0-10V Dimming
- Output Current: 0-16.7A
- Warranty: 5 Years
- Ip Rating: IP67
- Application: Commercial Greenhouses, Grow Tents, Vertical Farms, And Indoor Gardens.
- Highlight: **Waterproof LED Grow Light Driver, LED Grow Light Driver Dust Resistant, LED Grow Light Driver Energy Efficient**

800W High-Performance LED Grow Light Driver For Indoor Cultivation

Product Description:

Using the LED Grow Light Driver is simple. Just connect the driver to your LED grow lights and power source, and the driver will take care of the rest. The driver regulates the amount of power that is supplied to your grow lights, ensuring that they receive the optimal amount of energy for healthy and robust growth.

Whether you are an experienced gardener or just starting out, the LED Grow Light Driver is an essential component for any indoor or outdoor gardening setup. With its reliable performance, robust construction, and easy-to-use design, this driver is sure to help you achieve the best possible results with your LED grow lights.

Technical Parameters:

MODEL		USP-800-54	USP-800-54-B	USP-800-54-BA	NOTE
INPUT	VOLTAGE	120~277VAC	120~277VAC	120~277VAC	
	FREQUENCY	50~60Hz	50~60Hz	50~60Hz	
	MAXIMUM INPUT CURRENT	8.2A	8.2A	8.2A	
	INRUSH CURRENT	≤80A	≤80A	≤80A	
	STANDBY POWER CONSUMPTION	≤3w	≤3w	≤3w	
	POWER FACTOR	≥0.98(120Vac) ≥0.98(230Vac) ≥0.97(277Vac)	≥0.98(120Vac) ≥0.98(230Vac) ≥0.97(277Vac)	≥0.98(120Vac) ≥0.98(230Vac) ≥0.97(277Vac)	Full-load
	THD	≤6.0%(120Vac) ≤6.0%(230Vac) ≤9.0%(277Vac)	≤6.0%(120Vac) ≤6.0%(230Vac) ≤9.0%(277Vac)	≤6.0%(120Vac) ≤6.0%(230Vac) ≤9.0%(277Vac)	Full-load
OUTPUT	VOLTAGE RANGE	30~56V	30~56V	30~56V	
	CURRENT RANGE	Max 16.7A	0~16.7A	0~16.7A	
	MAXIMUM NO-LOAD VOLTAGE	≤58V	≤58V	≤58V	
	EFFICIENCY	≥90.0% @120Vac ≥92.0% @230Vac ≥93.0% @277Vac	≥90.0% @120Vac ≥92.0% @230Vac ≥93.0% @277Vac	≥90.0% @120Vac ≥92.0% @230Vac ≥93.0% @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	OUTPUT VOLTAGE	/	/	12.8V±10%	

POWER SUPPLY (OPTIONAL)	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
	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.

Applications:

The LED Grow Light Driver product is suitable for both indoor and outdoor applications. Its input voltage ranges from 120-277VAC, making it available and compatible to different voltage settings. The LED Grow Light Driver product dimensions of 420mm X 90mm X 45mm, making it easy to install and handle. It also has an IP Rating of IP67, making it waterproof and resistant to dust and other particles.

The LED Grow Light Driver product is compatible with different LED grow light systems. It ensures that the LED grow light system operates at an optimal level and provides the necessary power and voltage needed for the plants to grow effectively. The LED Grow Light Driver product is also energy-efficient and can save up to 50% of energy compared to traditional lighting products.

The LED Grow Light Driver product is suitable for different occasions and scenarios. It is ideal for indoor gardening, hydroponics, greenhouse gardening, and vertical farming. It can also be used for outdoor gardening, street lighting, and landscape lighting. With its waterproof and dust-resistant feature, the LED Grow Light Driver product can withstand different weather conditions, making it suitable for outdoor use.

In conclusion, the LED Grow Light Driver product from ANROFU is an excellent product for different LED grow light systems. It is certified and meets different market standards, making it a reliable and efficient product for different occasions and scenarios. With its energy-saving feature, waterproof and dust-resistant feature, and input voltage compatibility, the LED Grow Light Driver product can provide optimal growth for plants and save energy costs.

Support and Services:

The LED Grow Light Driver product comes with technical support and services to ensure optimal performance and reliability. Our team of experts is available to assist with any product-related inquiries or issues. The following are the technical support and services provided:

24/7 customer support

Product installation guidance

Troubleshooting assistance

Product updates and firmware upgrades

Product repair and replacement services

We are committed to providing top-notch technical support and services to our customers to ensure their satisfaction with our LED Grow Light Driver product.

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