

## V-TAC VT-23019

# V-TAC 18W 12V 1.5A Plug & Play Power Supply

Model: VT-23019

## INTRODUCTION

---

This manual provides essential instructions for the safe and efficient use of your V-TAC 18W 12V 1.5A Plug & Play Power Supply. Please read this manual thoroughly before installation and operation, and retain it for future reference.

## SAFETY INSTRUCTIONS

---

- Ensure the power supply is disconnected from the mains before any installation or maintenance.
- Do not expose the power supply to direct water spray or immersion. The IP44 rating indicates protection against solid objects larger than 1mm and splashing water from any direction, but it is not waterproof.
- Verify that the voltage and current requirements of your device match the output specifications of this power supply (12V DC, 1.5A).
- Do not overload the power supply. The maximum output is 18W.
- Keep the power supply away from heat sources and flammable materials.
- Do not attempt to open or modify the power supply. There are no user-serviceable parts inside.
- If the power supply or its cable is damaged, discontinue use immediately and replace it.

## PRODUCT OVERVIEW

---

The V-TAC 18W 12V 1.5A Power Supply is designed to provide stable DC power for various electronic devices. It features a 2.1mm DC jack for plug-and-play connectivity and is housed in a durable plastic body. The IP44 rating ensures protection against dust and splashing water, making it suitable for certain outdoor or semi-exposed applications.

## LED – PLASTIC POWER SUPPLY

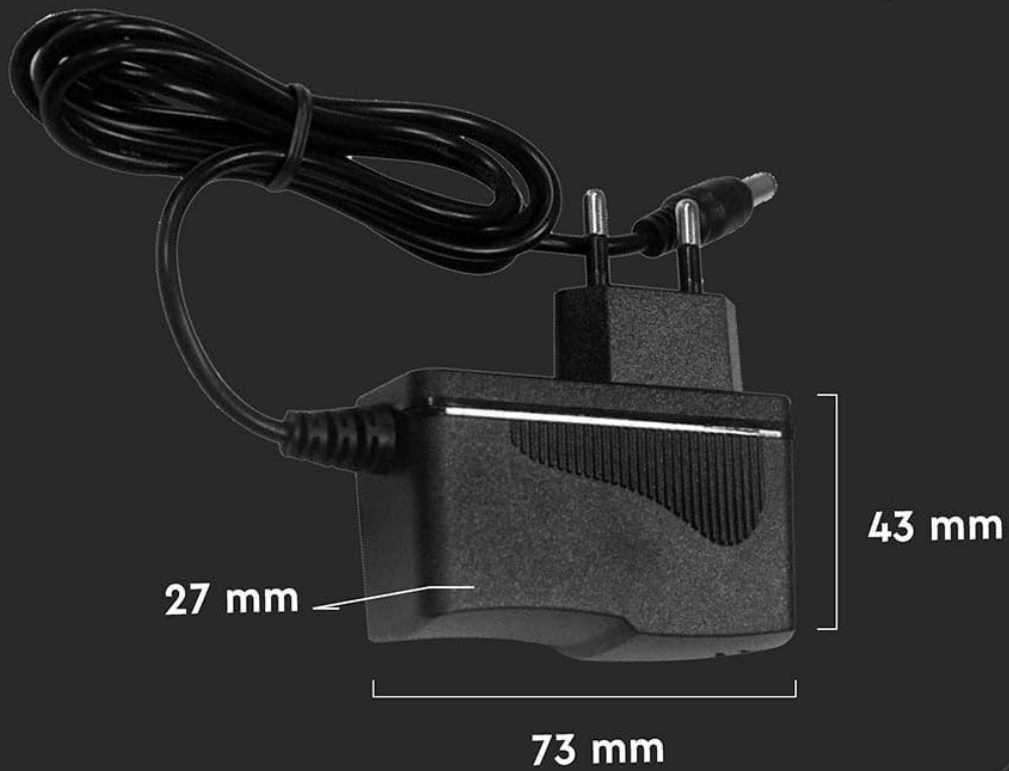


Image: The V-TAC power supply, highlighting its EU plug, 12V DC output, and IP44 dust and moisture resistance rating.

This power supply incorporates built-in protection features, including short circuit protection, overload protection, and an EMI filter to ensure a stable output voltage and reliable operation.



100% FULL LOAD BURN-IN TESTED

PLASTIC BODY

BUILT IN  
EMI FILTER

SHORT CIRCUIT PROTECTION  
OVER LOAD PROTECTION &  
STABLE OUTPUT VOLTAGE

Image: The power supply, illustrating its internal features such as a built-in EMI filter, short circuit protection, overload protection, and stable output voltage.

The compact design allows for easy integration into various setups.



Image: The V-TAC power supply showing its physical dimensions: 73mm length, 43mm height, and 27mm width.

## SETUP

---

1. **Unpack:** Carefully remove the power supply from its packaging.
2. **Inspect:** Check the power supply and its cable for any visible damage. Do not use if damaged.
3. **Connect to Device:** Insert the 2.1mm DC jack of the power supply into the corresponding power input port of your 12V DC compatible device. Ensure a secure connection.
4. **Connect to Mains:** Plug the EU 2-pin plug of the power supply into a standard 100-240V AC wall outlet.
5. **Verify:** Confirm that your device powers on correctly.

## OPERATING INSTRUCTIONS

---

Once properly connected, the power supply will deliver a stable 12V DC output to your device. No further user interaction is required for operation. The power supply is designed for continuous use within its specified limits.

## MAINTENANCE

---

- **Cleaning:** Disconnect the power supply from the mains before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the power supply in a cool, dry place when not in use. Avoid extreme temperatures and high humidity.
- **Inspection:** Periodically check the cable and connectors for any signs of wear or damage.

## TROUBLESHOOTING

---

Problem	Possible Cause	Solution
Device not powering on	No power from wall outlet Loose connection Incorrect voltage/current Damaged power supply/cable	Check wall outlet with another device Ensure all connections are secure Verify device requirements match power supply specs Replace power supply if damaged
Power supply feels hot	Normal operation Overload Poor ventilation	Some warmth is normal. Ensure it's not excessively hot. Check if the connected device exceeds 18W. Reduce load. Ensure adequate airflow around the power supply.
Device flickering or unstable	Insufficient power Faulty device	Ensure device power requirements are met. Consider a higher wattage power supply if needed. Test the device with another compatible power source.

## SPECIFICATIONS

---

<b>Brand</b>	V-TAC
<b>Model Number</b>	VT-23019
<b>Part Number</b>	3237
<b>Power (Wattage)</b>	18 W
<b>Input Voltage</b>	100-240V AC, 50-60 Hz (Standard EU Mains)
<b>Output Voltage</b>	12 V DC
<b>Output Current</b>	1.5 A
<b>Connector Type</b>	2.1mm DC Jack
<b>Power Plug Type</b>	Type C/EF (2-pin EU)
<b>Material</b>	Plastic
<b>Color</b>	Black

<b>Special Features</b>	IP44 (Dust & Splash Water Resistant), Built-in EMI Filter, Short Circuit Protection, Overload Protection
<b>Compliance</b>	CE
<b>Mounting Type</b>	Wall-wart style (plugs directly into wall outlet)
<b>Compatible Devices</b>	Devices requiring 12V DC, 1.5A power with a 2.1mm DC jack (e.g., LED strips, CCTV cameras, routers, small electronics)

## WARRANTY

---

V-TAC products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty information provided at the point of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

## SUPPORT

---

If you encounter any issues or have questions regarding your V-TAC 18W 12V 1.5A Power Supply that are not addressed in this manual, please contact your retailer or visit the official V-TAC website for customer support and further assistance.

**V-TAC Website:** [www.v-tac.eu](http://www.v-tac.eu)