



PeakTech 3127 A Universal Power Adapter User Manual

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PeakTech®

PeakTech 3127 A Universal Power Adapter



Safety instructions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2014/35/EU (low voltage), 2009/125/EC (Ecodesign Directive), 2011/65/EU (RoHS).

Device corresponds to protection class II.

In order to ensure the operational safety of the device and to avoid serious injuries caused by current or voltage flashovers or short circuits, the following safety instructions for operating the device must be observed.

Damage caused by non-observance of this information is excluded from claims of any kind.

- Read these operating instructions and make them available to subsequent users.
- This device is only suitable for indoor use.
- This device is only suitable for use with IT components and office equipment.
- Check the device for mechanical damage, damaged insulation or broken points on the housing before use.
- Always keep live devices away from moisture and never operate them with wet hands.
- Always observe the warning labels on the device.
- The device may only be opened and maintenance and repair work may only be carried out by qualified service technicians.
- Do not make any technical changes to the device.

Cleaning the device:

Only clean the device with a damp, lint-free cloth. Use only commercial detergents. When cleaning the device make absolutely sure that no liquid gets inside the device. This could lead to a short circuit and destruction of the device.

Introduction

The PeakTech 3127 is a compact universal switching power supply with an adjustable DC output voltage of 3V, 4.5V, 5V, 6V, 7.5V, 9V or 12 V with an output power of max. 1500mA. This practical power supply includes various jack and barrel plugs as well as a USB socket for use with various small office devices, mobile phones or audio and video equipment. The device complies with the current ecodesign directive of the European Union, which ensures high energy efficiency and low stand-by consumption. The device safety is guaranteed by the applied safety standards of the low voltage directive, whereby this device is short-circuit proof and also has an automatic overload protection.



Application

1. Voltage: Set the desired output voltage with the yellow voltage selector switch on the back of the device. There is a suitable key for this selector in the accessories.
2. Current: Before use, check whether the 1500 mA of the P 3127 A is sufficient for your load. Use the rating plate

or instructions from the load for this.

Polarity: Check the polarity of your load (+ or -). You will probably find information about the polarity of the load in the instructions or on the rating plate of the load.

Note: The positive polarity (left) is usually the desired standard setting



3. Output connector: Select the required jack or barrel connector and connect it to the supply output of the P 3127 A. There is an arrow on the connection socket on the connection cable. Connect this with the corresponding arrow for positive or negative polarity of the connector:



4. Mains input: Now connect the plug-in power supply to a socket with a mains voltage of 100 to 240 V AC.
5. **ATTENTION:** If the connected load does not work properly, remove the plug-in power supply and check the set output voltage and polarity.
6. Remove the device after use.

NOTE: When operating a load with the USB adapter (FUSB1), the voltage selector switch should be set to the typical USB supply voltage of 5 V. The USB adapter can only be plugged in with the correct polarity.

Adapters

This device comes with a USB plug, two jack plugs and four barrel plugs:

- 5.5 x 2.5 mm barrel connector
- 5.5 x 1.5 mm barrel connector
- 5.0 x 2.1 mm barrel connector
- 3.5 x 1.35 mm barrel connector
- 3,5 mm jack plug
- 2,5 mm jack plug
- USB A socket



Technical Specifications

Input ACV

Input Voltage	100 ... 240 V AC
Frequency	50 / 60 Hz
Idle Power Consumption	< 0.1 W
Full Load Power Consumption	ca. 0.4 A

Output DCV

Output Voltage	3.0V / 4.5V / 5.0V / 6.0V / 7.5V / 9.0V /12.0V
Output Current	1500 mA

Power

Total Output Power	3.0V (4.5W) / 4.5V (6.75W) / 5.0V (7.5W) / 6.0V (9W) / 7.5V (11.25W) / 9.0V (13.5W) / 12.0V (18W) MAX
Average Efficiency	>72.8% (for 3.0V); >75.9% (for 4.5V); >76.6% (for 5.0V); >81.3% (for 6.0V); >82.6% (for 7.5V); >83.5% (for 9.0V); >85.0% (for 12.0V)
Low Load Efficiency (10%)	>62.8% (for 3.0V); >65.9% (for 4.5V); >66.6% (for 5.0V); >71.3% (for 6.0V); >72.6% (for 7.5V); >73.5% (for 9.0V); >75.0% (for 12.0V)

General

Energy efficiency class	Level VI
Protection	Class II
Operating Environment	0 ... 25°C / 20 ... 85% R.H.
Storage Environment	-20 ... 60°C / 10 ... 90% R.H.
Mean Operation Time (MTBF)	> 30.000 Hours
Plug Type	Euro 2-poles, C/F
Cable Length	ca. 180cm
Dimensions	82 mm x 51.6 mm x 35.9 mm
Weight	130 g

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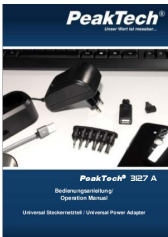
This manual is according the latest technical knowing. Technical alterations reserved.

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