

SolarTech Power Solutions

**Will an outdoor power supply
attenuate if left unused**



Overview

How long does a power supply last?

Solid state electronics should last for a long time. Unfortunately, Power Supplies contain two kinds of components that do have a limited lifetime. The worst is the capacitors. Large capacity capacitors such as the ones you will find in some power supplies contain liquids that can leak - particularly after overheating that deforms the case.

Do power supplies have a lifetime?

Unfortunately, Power Supplies contain two kinds of components that do have a limited lifetime. The worst is the capacitors. Large capacity capacitors such as the ones you will find in some power supplies contain liquids that can leak - particularly after overheating that deforms the case. Visual examination may spot problems.

Can a unused PSU become unusable?

A PSU, unused, will not become unusable in that time if kept clean and dry. though it may not be compatible with the most current technology. It should be noted that extremes of temperature, humidity, EM changes, dust and dirt can be antithetical to component life.

Can a low frequency power supply cause a crack?

Low frequency AC (such as the 60 Hz or 50 Hz in the power distribution system) can cause vibration that will eventually cause cracks and loose parts. Some modern power supplies that use high frequency switching can get by without transformers, and possibly even without capacitors. If your unit has achieved that level of sophistication, great!

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