

SOLLATEK AVS30 PROVES ESSENTIAL FOR CAMPERS DUE TO UNSTABLE VOLTAGE AT CAMPSITES



Campsites often have unstable power supply, which, can be a cause for concern for campers who rely on electrical hookup points for electricity. Fluctuations on site, while common, are often underestimated and can cause considerable damage to equipment without proper protection. When this happens, Sollatek are sought out for a solution.

Frequent voltage fluctuations are a prevalent problem at commercial camping sites, posing a significant risk to electrical and electronic equipment. These fluctuations often surpass acceptable limits, potentially causing severe damage. Recognizing this concern, campers have turned to Sollatek for assistance in safeguarding their caravans against this potential harm.

Campervan owners often experience power surges that can cause significant damage to equipment connected to the mains at campsites. During these

surges, caravans and other vehicles hooked up to the mains may experience overvoltage, leading to severe electrical failures. These incidents can result in extensive and expensive damages, with owners incurring costs upwards of £2500, as almost all electrical equipment was either melted or burnt due to the extreme heat generated by the surge. Insurers are reluctant to accept liability in such cases, leaving affected owners in a difficult situation. In severe cases these could potentially lead to fire outbreaks, causing even greater damage and posing life-threatening risks.

Despite the uncertainty surrounding the cause of 'supply power surges' at a campsite, the most probable explanations include natural events, such as nearby lightning strikes (indirect lightning) or an overvoltage from a transformer supplying power to the site. Indirect lightning strikes momentarily affecting the local area may cause significant damage to the sensitive electronic and electrical equipment commonly found in motorhomes and caravans.

To protect against all possibilities, Sollatek recommends the AVS30, the most complete protective unit. The Automatic Voltage Switcher (AVS) effectively protects against overvoltage, undervoltage, power-back surges, and voltage spikes, ensuring the safety of all electrical equipment. Rated at 30Amps, it functions by automatically disconnecting equipment when mains power



surpasses pre-set and adjustable limits, shielding them from potential damage. Its integrated (TimeSave™) start-up delay function (adjustable from 10 seconds to 10 minutes) ensures stability in mains power before reconnecting automatically, preventing frequent on-off cycles during fluctuations or sudden surges upon power restoration post-outages.

The AVS30 is also versatile with a built-in microprocessor. It can tolerate extremely high voltages as experienced during Loss of Neutral events. It can withstand continuous voltages up to 415V (230V) or 220V (115V) thereby protecting your appliances against these catastrophic events.

For optimal protection, the installation of the AVS30 depends on consumer unit loads. If the total loads are less than 30A, it is fitted before the consumer unit. However, if loads exceed 30A, it is wired on a single circuit with a maximum load of 30A, always ensuring that the AVS30 is protected by a fuse or Miniature Circuit Breaker (MCB) for added safety and functionality.

Sollatek has developed a full range of robust voltage protection products, suitable for all applications while maintaining affordability.

Automatic Voltage Switcher (AVS30) VOLTAGE PROTECTION

Nominal Voltage	115/230 V
Output Current	30 Amps
Inrush Current	110 Amps
Power Rating	3450/6900 W
Frequency	50/60 Hz
Temporary Over Voltage (TOV)	220/415 V

INCLUDED FEATURES

- TimeSave™ Function (Intelligent Time Delay)
- AVS™ Function (Automatic Voltage Switcher)
- Operation Status Indicator (5 LEDs)
- IP30 Enclosure
- Microprocessor Controlled
- Surge & Spike Protection



Please note, the in-situ image above features an AVS30 with a legacy label.

Sollatek's expertise extends worldwide through local networks

Established for over 40 years in the United Kingdom, Sollatek is a manufacturer of innovative products in power control, energy saving, temperature control and solar energy. Operating from 12 countries and a global distribution network in 60 more. Sollatek has grown to become a household name, particularly in harsh and demanding environments where reliability and affordability are essential to everyday life. The Sollatek voltage protection product range now includes full lines of voltage switches, stabilisers, conditioners and uninterruptible power supplies (UPS).

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