



PROTECTING 220V NEON FLEX & FLEXIBLE STRIPS FROM POWER SURGES & SPIKES

We pride ourselves on providing the highest levels of customer service, advice and quality products to our customers.

Eskom and some municipalities are increasingly providing an unstable voltage supply with occasional voltage spikes and surges well above 220V / 230V.

We have previously advised customers to protect 220V Neon Flex or 220V Flexible Strip from voltage spikes and surges by using a surge protector, however new information has come to light that the clamping voltage of most surge protectors is in the region of 300V - far too high to protect your 220V Neon Flex and Flexible Strip from internal damage from an unstable voltage supply.

Through consultation with a number of experts we have established that the most reliable means of protecting your 220V Neon Flex and Flexible Strip is by using a UPS or any power conditioner that can guarantee a constant voltage of around 220V. The safe operating voltage of 220V Neon Flex and Flexible Strip is around 215V to 225V.

UPS devices are widely available from a number of suppliers, and our guidance is to ensure your UPS is adequately sized for your Neon Flex, which is rated at 14W/m however independent tests show the actual power consumption at 220V should be roughly 6-7W/m.

Please note that these are not backup power UPS but rather what we call double online UPS where the UPS batteries are always powering the Neon Flex or Flexible Strip, and the batteries are constantly being charged by the UPS input circuit.