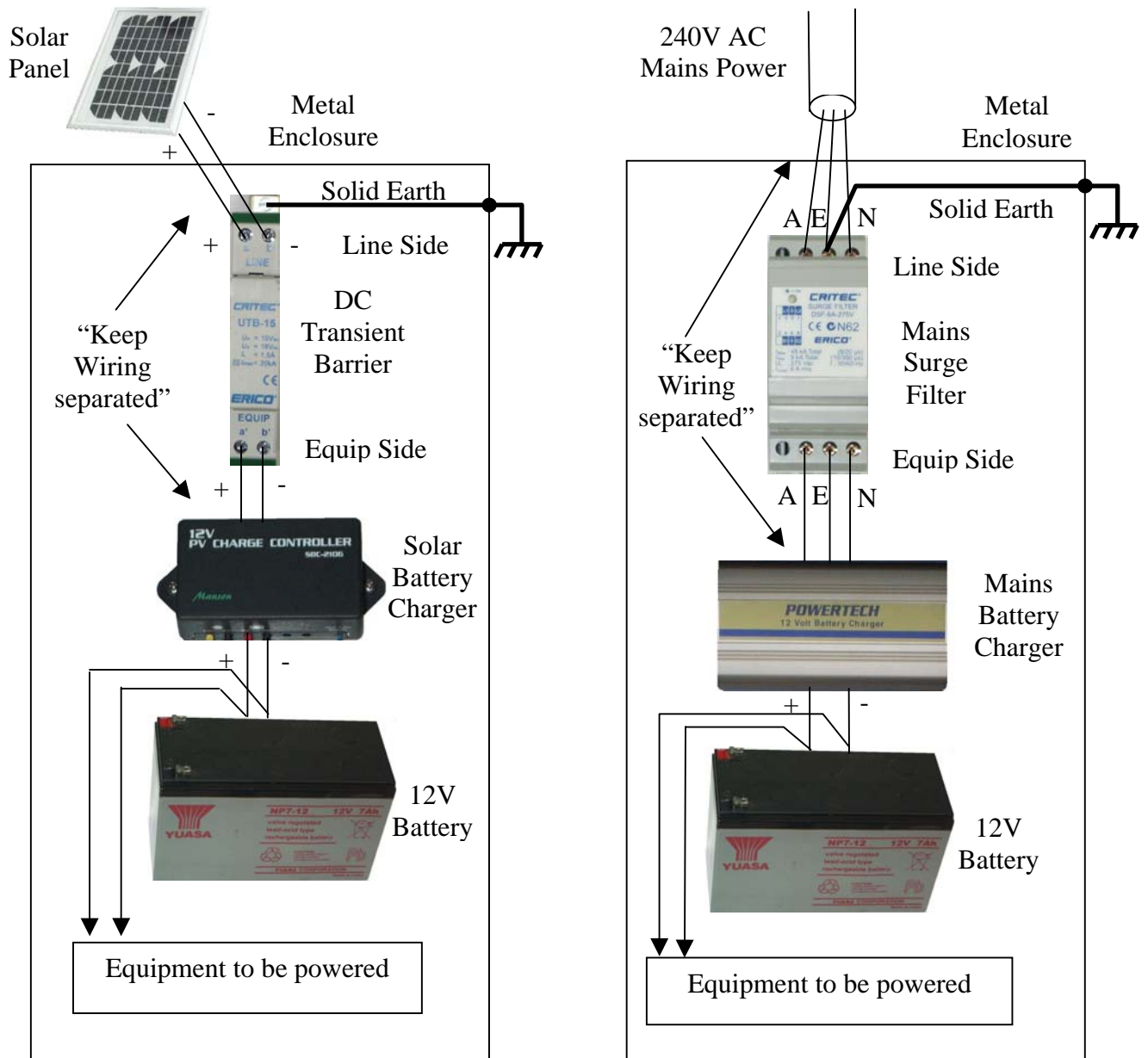


Frequently Asked Questions #E4

Question : How do I protect my equipment from transients on the power ?

Answer : Transients most frequently enter equipment on cables connected to the outside world. So it is this wiring we should focus our attention on protecting. The following diagram shows how to connect a transient suppressor to solar powered equipment and to mains powered equipment. Different suppressors are required, depending on the voltage to be protected. The transient suppressors and the metal cabinets should also be connected to a solid earth at the site.



Hydrological Services recommend that good quality transient suppression devices are used, such as the “Critec” brand transient suppressors.

The UTB-15 is used to protect 12V lines (both power and signals)



The DSF-6A-275V is used to protect 240V mains wiring



*** **IMPORTANT** ***

The transient suppressor “earth” terminal should be connected to the metal enclosure the equipment is housed in – which should in turn be connected to a solid earth at the site. Use heavy wiring for the earth connections – at least 1.5mm²