

# PROTECT

Single Phase Voltage Protection Unit



- ◆ **PROTECT Against Rising Electricity Prices**
- ◆ **PROTECT Your Electrical Appliances**
- ◆ **PROTECT Your Investment in Solar PV**
- ◆ **PROTECT Your Solar Generation**

Did you know that the voltage we are supplied to our homes is typically as high as **246V**, but the electrical appliances around our home are designed to run at **220V**? This is over voltage we simply do not need and are being charged for.

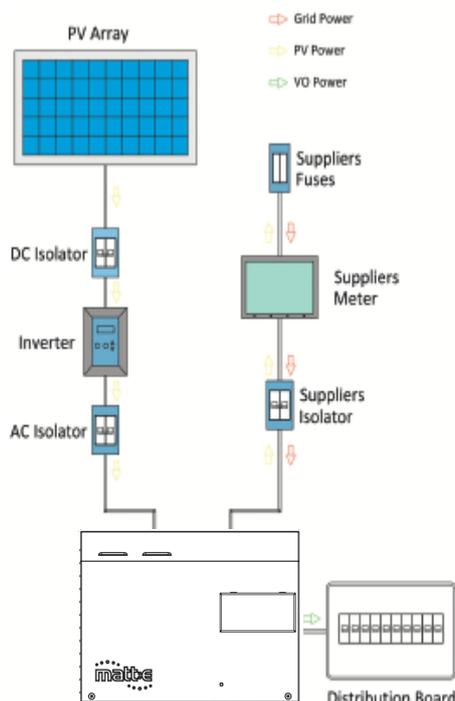
Reducing the voltage for the majority of appliances closer to the designed voltage leads to:

- ◆ **Lower Energy Consumption**
- ◆ **Extended Lifespan**
- ◆ **Increased Appliance Efficiency**

High incoming voltages can also have an effect on your Solar PV systems generation.

These high voltages not only have an effect on the systems efficiency they can also increase the temperature of the components which may lead to a shortened life cycle of the equipment

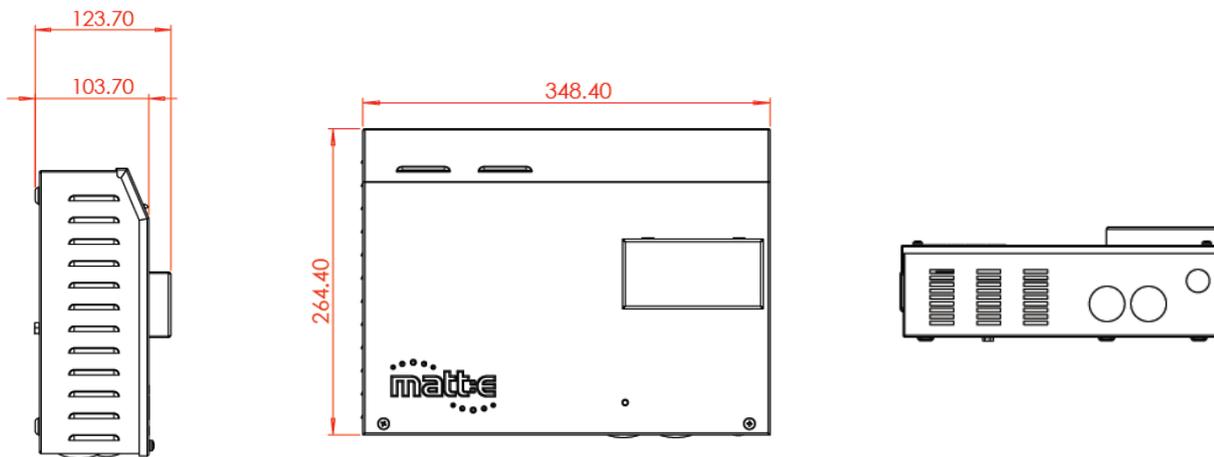
This higher voltage can also cause your PV system to switch off prematurely on over voltage



## Product Features

- Fully rated highly efficient low loss Toroidal transformer
- Designed and built in the UK
- Standard 5 year parts warranty
- Over current protection
- Over temperature protection
- Non invasive, low maintenance requirement.

# Dimensions and Specifications



Description	Matt:e Protect, single phase voltage protection unit
Input Volts	Nominal input voltage 235 -253v, 50Hz, Single Phase AC
Output Volts	Nominal input less 18V
Current (Amps)	63 Amps continuous
Weight	Approximately 15Kg approx.
Operating Temperature	-5°C to +40°C
Terminal Capacity	Incoming Live = 35.0mm <sup>2</sup> Outgoing Live = 35.0mm <sup>2</sup> Incoming Neutral =35.0mm <sup>2</sup> Outgoing Neutral = 35.0mm <sup>2</sup>
Enclosure	Mild Steel Powder Coated
Ingress Protection	IP20
Warranty	The matt:e protect unit is guaranteed for a period of 5 years from the date of purchase. This warranty is limited to the replacement of faulty components only.

