

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



Solar Guardian | Photovoltaic Automatic Disconnect Device

The perfect solution to protect residential, industrial or commercial photovoltaic systems

- Suitable up to 10 strings / circuits
- Maximum string current 38A
- Maximum string voltage 1500vdc
- Protection degree IP66
- Isolation switch is TUV, CE, CB, SAA certificated
- Waterproof vent valve to avoid condensation inside the enclosure
- Built in temperature sensor allows automatic shut down of the system when reaching 70°C inside the enclosure



The Solar Guardian (PV automatic disconnect device) is the perfect solution to protect rooftop solar installations in case of emergency or fire.

A quick shutdown device, capable of reaching a maximum circuit voltage of 1500 Vdc and cutting current up to 38A. It includes a combination of strings of the photovoltaic panels and a rapid shutdown switch.

Part Number	Description
PVADD02X	2 pole, 1 string
PVADD04X	4 pole, 2 string
PVADD06X	6 pole, 3 string
PVADD08X	8 pole, 4 string
PVADD10X	10 pole, 5 string
PVADD20X	20 pole, 10 string

Easy Surface Mounting!



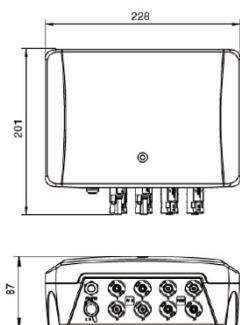
Handy mounting plates on both sides of the back lid slide out for quick and easy surface mounting.



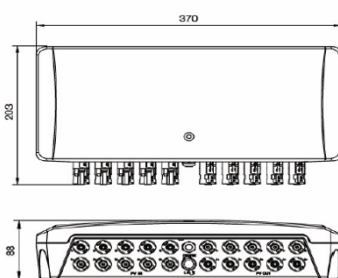


Standard		
String voltage	Vdc	Up to 1500
String current	A	38A Up to 1000V 32A at 1500V
Working voltage	Vac	100-270
Rated voltage	Vac	230
Rated current	mA	30
Starting (loading) current	mA (AVG)	100
Action current (max)	mA	300
Operating temperature	°C	-20°C ... +50°C
Maximum temperature before automatic shutdown	°C	+70°C
Storage temperature	°C	-40°C ... +85°C
Protection rating	-	IP66
Overvoltage protection category	-	II
Mechanical life without load	cycles	10000
Number on-load operations (PV1)	cycles	1500

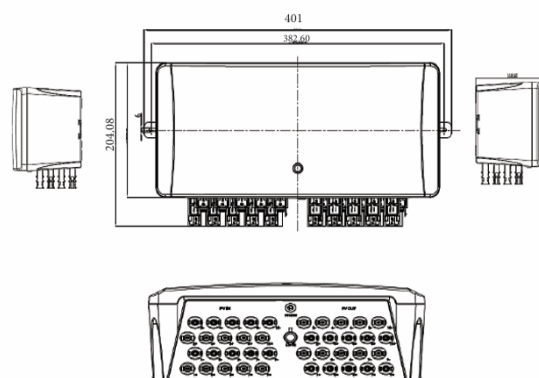
Dimensions



Strings: 1 or 2



Strings: 3, 4 or 5



Strings: 10