

### SOLEXUS SOLAR JUNCTION BOX SERIES 1104 GP

Solexus 1104GP series offers monitoring and fire protection of the PV Solar module. The unit communicates wirelessly with the central command box which is connected to the internet.

The product is designed as a cost effective means to switch off the modules in case of fire and to monitor the basic functions of the module. Integration into the module is simple and easy. The circuit is build around a ultra low power wireless communication controller chip. The RF4CE remote protocol is a well known standard and robust to interference from Wi-Fi or Bluetooth.

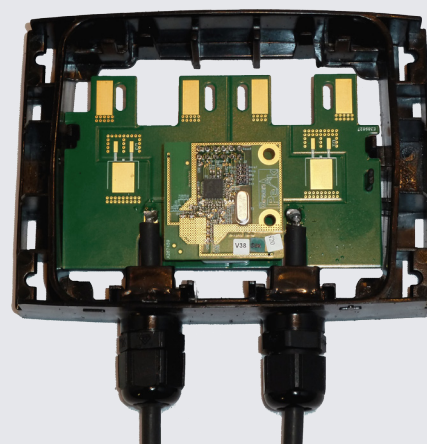
Solexus 1104GP provides major safety and performance benefits and the uniquely low cost nature of the technology can be customised to meet individual customer and partners' technology requirements.

#### RF4CE

The module communicates by RF4CE with the central hub. The hub serves a large number of modules, limited by distance rather than by technology.

The distance between the hub and the module can be up to 100 meters in open areas and 25 meters in confined spaces.

This product opens a new world in Solar electronics by embracing the 'low cost principle' of modern wireless remote control electronics.



## SOLEXUS JUNCTION BOX SERIES 1104GP SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

- Rated voltage:
  - TUV:1000V DC
  - UL:600V DC
- Working voltage 40 V DC
- Contact resistance:  $\leq 5\text{m } \Omega$
- Current rating: 10 A
- Safety Level: class II
- Diodes: 3, Schottky

### MECHANICAL CHARACTERISTICS

- Locking mechanism between top and bottom
- Removable top cover
- Temperature range:  $-40^{\circ}\text{C}+85^{\circ}\text{C}$
- Overall dimensions:
  - Length: 106mm
  - Width: 78mm
  - Height: 19.90mm
- Cable type: 4mm<sup>2</sup>/ 6 mm<sup>2</sup>
- Cable length: on request
- Connectors: all solar types
- Durability: 20 cycles (top to base)
- Housing material: PPO
- Housing color: Black
- Flame class: UL94-V0
- Contacts:
  - Material: Copper alloy
  - Plating Contact Area: Tin (Sn) over Nickel (Ni)
- Cable pull-out force: 500 N
- available in a version for
  - standard ribbon configuration
  - back-contact crystalline solar cells.

