



# Schottky Bypass Diode Module(GFM)

**Edited by: R&D Division**  
**Date: Nov. 2021**



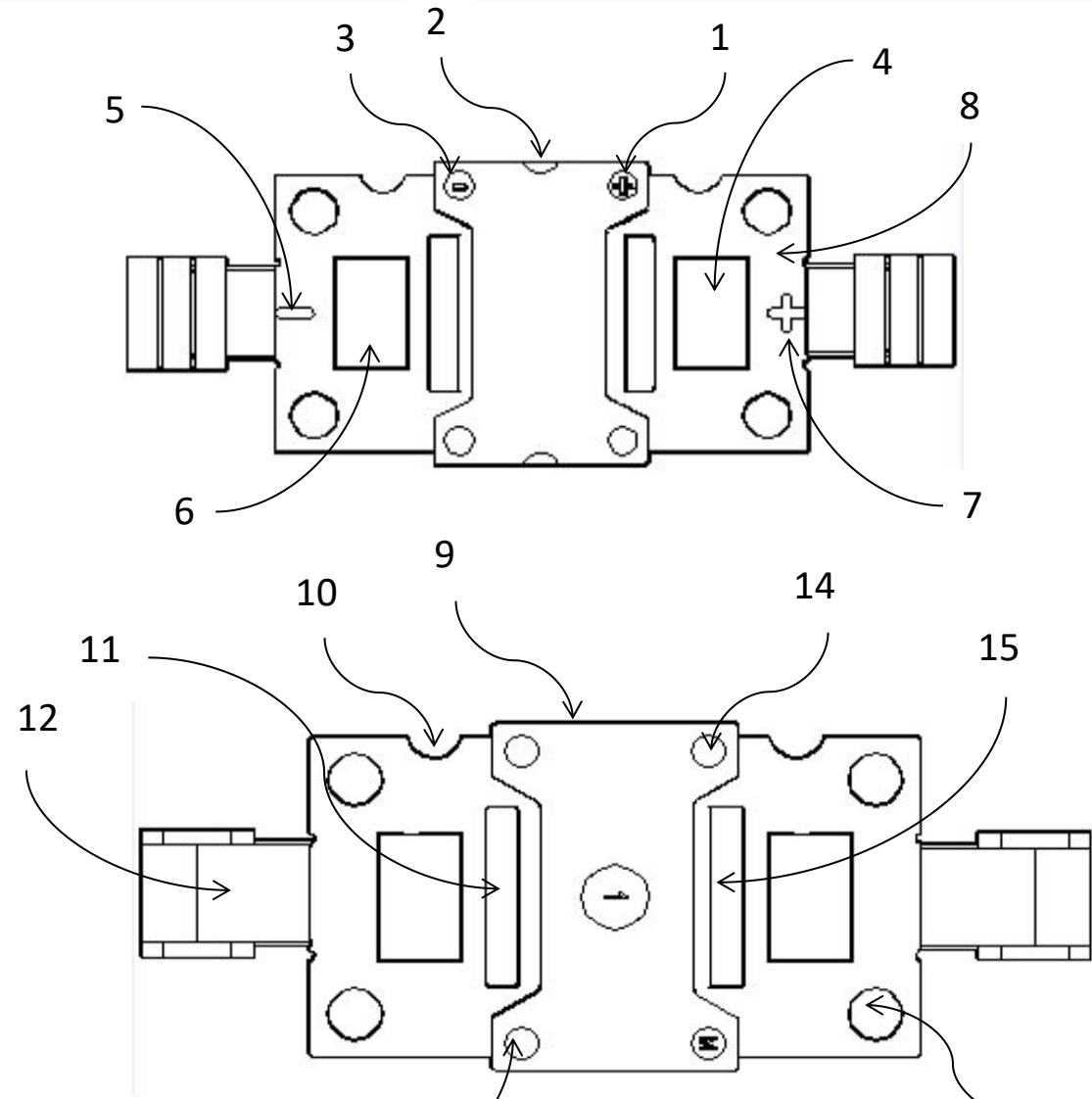
## A. Description

- > Newly developed bypass diode module (GFM) for photovoltaic solar cell protection.
- > To protect the solar cell from hot spot effect.
- > Single or dual dices (130/150/165/180mil) with wide range of output (10A, 12A, 15A, 20A, 30A, 40A, 50A) .



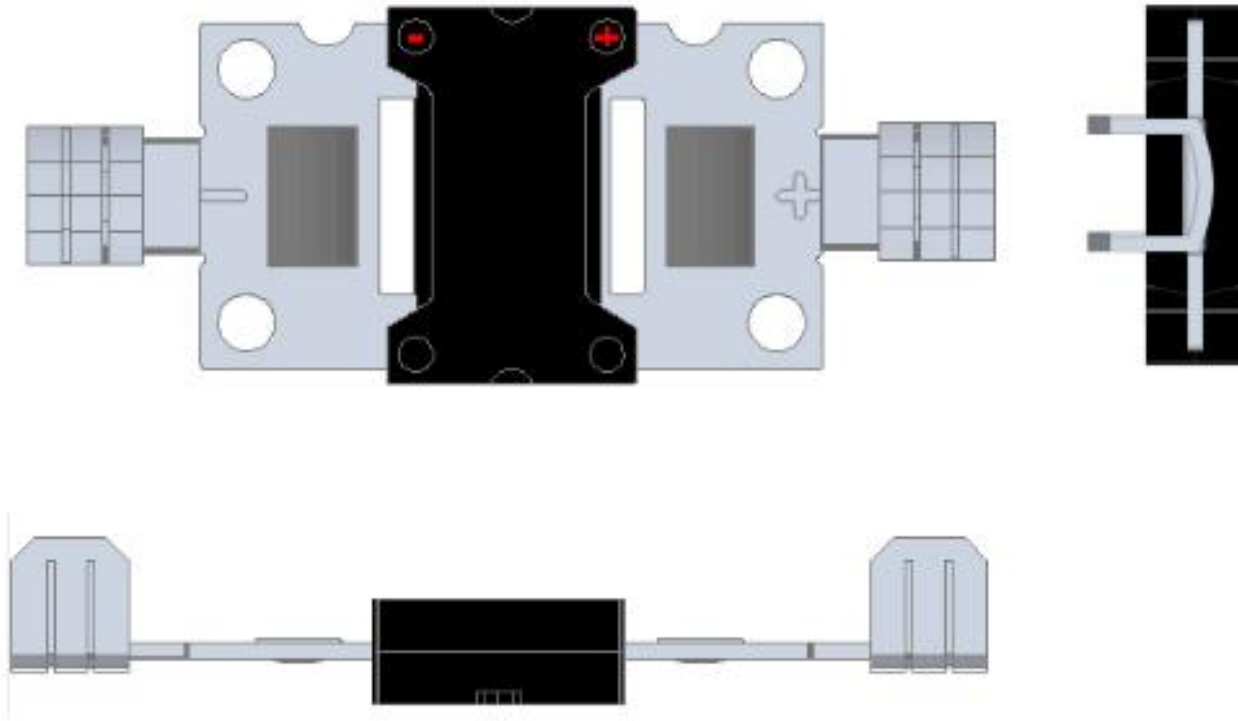
## B. Outline drawing

- 1: Anode
- 2: supporting pinhole for molding body
- 3: Cathode
- 4: Soldering pad(Anode)
- 5: Polarity: Cathode
- 6: Soldering pad(Cathode)
- 7: Polarity: Anode
- 8: Terminal
- 9: Molding body
- 10: location hole for assembly
- 11: Clamping slot(Cathode)
- 12: Slot for cable
- 13: supporting pinhole for molding body
- 14: molding marking
- 15: Clamping slot(Anode)
- 16: Terminal location pinhole





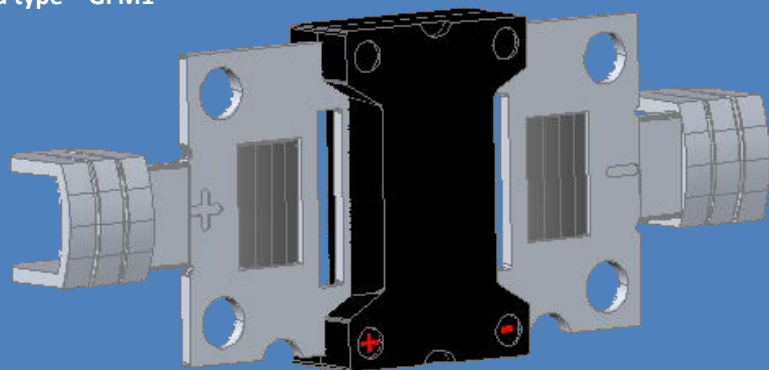
### C. 3D View



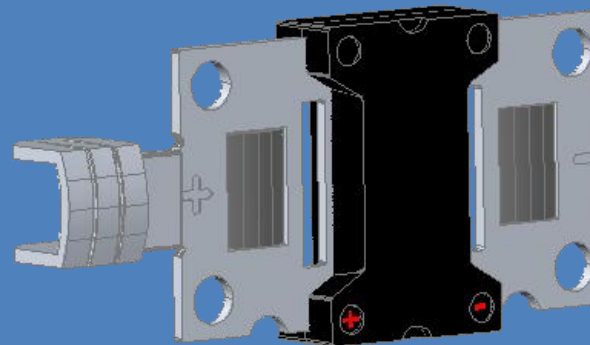


## D. different terminals

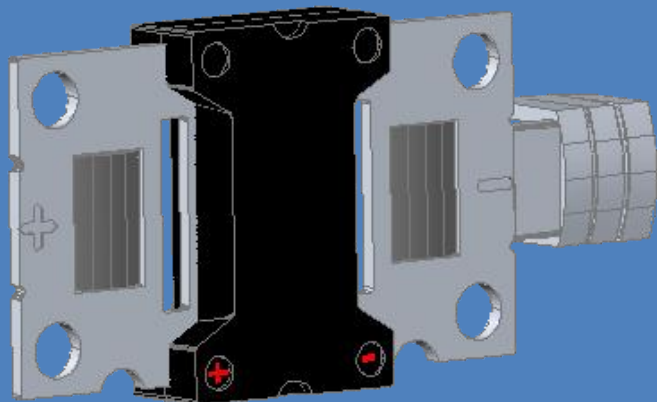
Standard type - GFM1



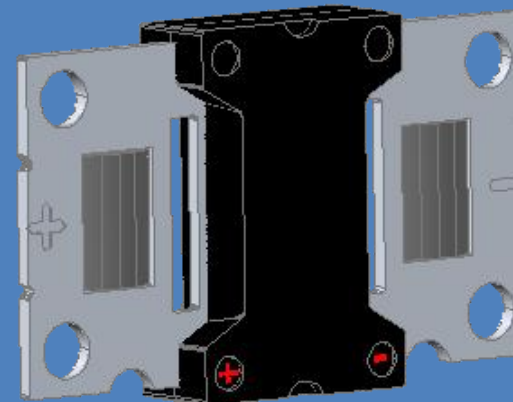
Anode type - GFM2



Cathode type - GFM3

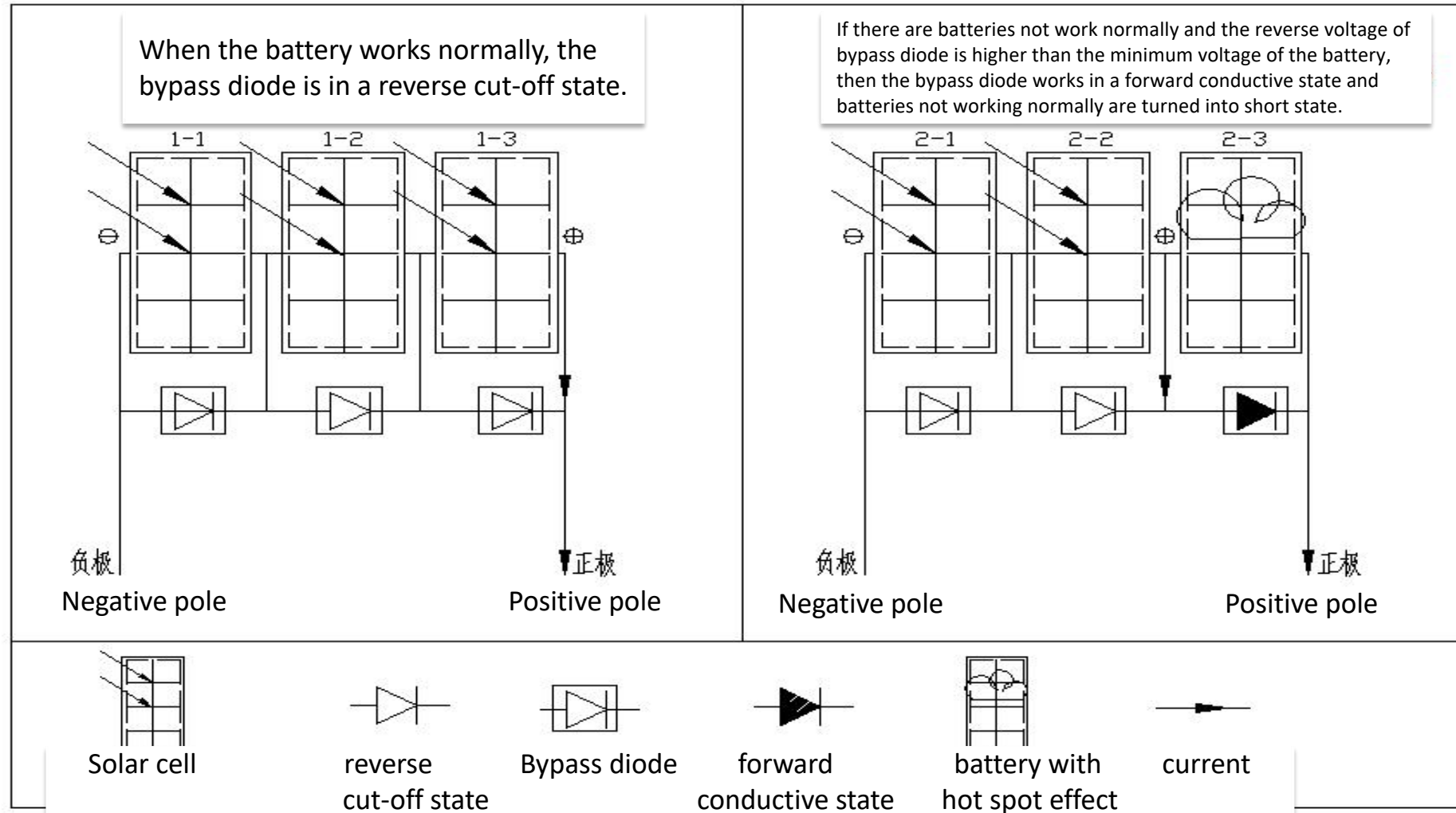


NO-BUCKLE type -GFM4





## E. Functional Diagram





## F. Features

- a. Flexible for single or dual dices.
- b. Dice size up to 180mil.
- c. Wide current range up to 50A.
- d. High reliable and convenient for assembly.
- e. High temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance.
- f. Multi-terminal types available for different designs (GFM1, GFM2, GFM3,GFM4)