

### PHOTOVOLTAIC SYSTEMS USE REED PRODUCTS

ENERGY EFFICIENT, SUSTAINABLE, ECO-FRIENDLY

#### Applications

- End limit detection
- Measure Isolation resistance
- Movement detection
- Photovoltaic systems
- Position detection
- Presence sensing
- Proximity sensing
- Solar tracking systems

#### Features

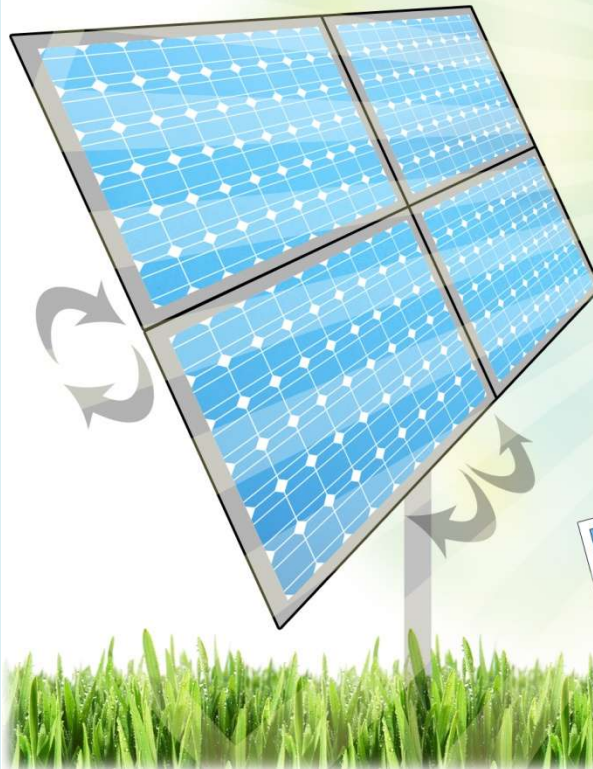
- Extra long life
- Dynamically tested contacts
- Hermetically sealed
- No power consumption
- Zero emissions

#### Products

- Reed Relay Series: BE, LI, KT
- Screw Fasten Reed Sensor Series: MK04, MK05, MK12, MK13, MK21, MK26, MK27
- Panel Mount & Threaded Reed Sensor Series: MK03, MK11, MK14, MK18, MK20
- SMD & PCB Sensor Series: MK01, MK06, MK15, MK16, MK17, MK22, MK23, MK24, MMS

#### Markets

- Photovoltaic
- Solar Industry
- Renewable Energy



#### BENEFITS

- No power consumption
- Zero emissions
- Extended life into billions of operations
- Hermetically sealed / environmentally protected



Reed switch products are popping up in more applications calling for greener technology designs due to their versatility, ultra small size, extra long life and zero power consumption characteristics. MEDER's reed sensor and relay products play a key role in many photovoltaic system applications. One particular use of our reed relays is in measuring isolation resistance across several components within a solar system prior to grid connection, preventing injury or further current leakages. Moreover, many new photovoltaic systems are technically more advanced to further maximize performance, incorporating one and even two-axis tracking systems. These tracking systems help them align with the sun, moving east and west as well as tilting forward and backward.

MEDER's reed switch sensors are used to detect the exact position of movement and tilt motion of these photovoltaic modules. They do so using a permanent magnet mounted to the moving PV module which changes the state of the reed contacts once in the presence of the reed sensor. This is done with absolutely no power consumption. Check out MEDER's high quality, innovative reed switch products and get a jump start on exploring endless possibilities of reed switch sensing for your green technology designs.

