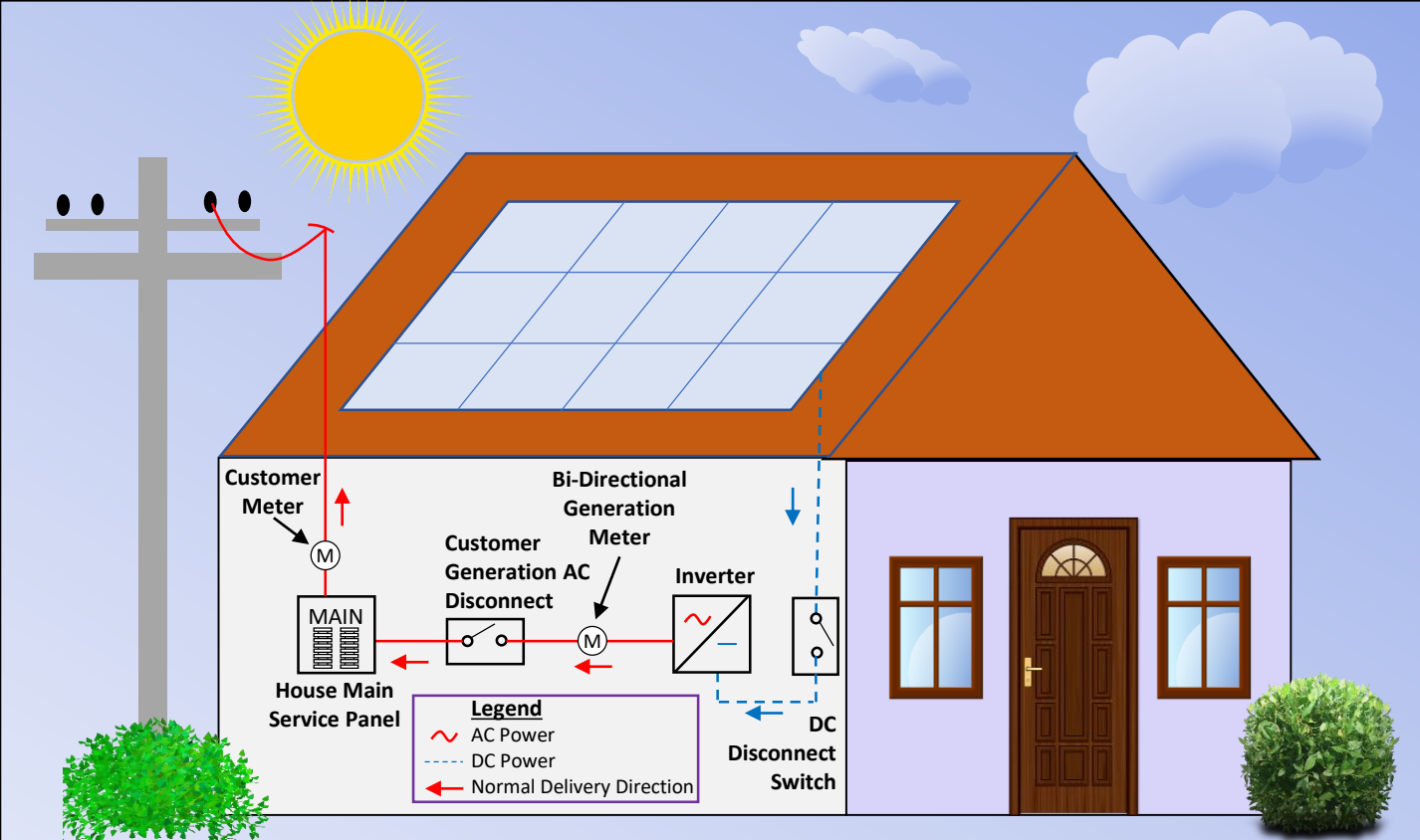**Solar Guardian** ®
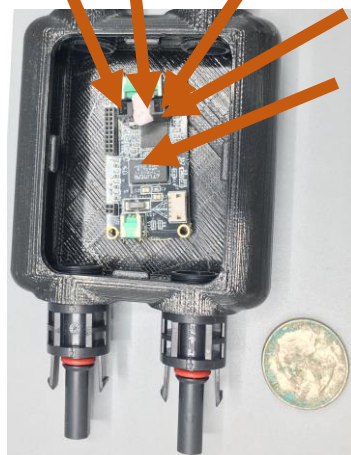**Intelligent Optical Sensors**
with IoT for PV System Safety

24/7 monitoring to alert of overheat, electrocution, fire, and other safety hazards caused by overload, storms, rodents, and corrosion of PV modules, inverters, storage modules, and wiring systems.

Key Features and Benefits

- ❖ **24/7 health monitoring of PV system components**
- ❖ **Durable to operate in any environment**
- ❖ **Extremely inexpensive**
- ❖ **Easy to incorporate into PV system components**
- ❖ **IoT communication via WiFi, Ethernet or Phy**
- ❖ **Compliant with safety standards**
- ❖ **Covered by 7 US and 3 China patents**

A change in amount of illumination by the photosensor detects hazardous conditions