



## MNHBB-AFGF INFO SHEET

- The Arc Fault / Ground Fault Kit from MidNite Solar automatically disconnects the PV input breaker and/or battery breaker to the MidNite Solar Hawke's Bay or Barcelona charge controller when an Arc Fault (AF) or Ground Fault (GF) condition is detected. The automatic disconnect is accomplished by activating (tripping) remote-trip circuit breakers.
  - The AF sensor looks for noise on the PV wires.
  - The GF sensor looks for a 0.5A current differential between PV wires.
- The AF/GF Kit includes:
  - 1) AF/GF printed circuit board;
  - 2) AF sensing toroid;
  - 3) GF sensing toroid.
- The AF/GF printed circuit board attaches to the pre-installed Options Board in the MidNite Solar Hawke's Bay or Barcelona, 600V MPPT charge controller.
- **Hawke's Bay Owner's Manual**
  - See "Hawke's Bay Connections" section for installation and wiring.
  - See "Hawke's Bay Programming / External Sensors" for programming.
- **Barcelona Owner's Manual**
  - See "Barcelona Connections" section for installation and wiring.
  - See "Barcelona Programming / External Sensors" for programming.

