



Notes:

1. This diagram is provided to show the installation of a Magnum inverter that is AC coupled to a batteryless Utility-Interactive inverter. Most of the ground connections were omitted for clarity.
2. To prevent damage to Magnum's battery-based inverter, the power rating of the Photovoltaic Array must be 90% or less than the continuous power rating of the Magnum inverter.
3. The AC Couple Support Mode feature is only available in the MS-PAE Series with software revision 4.1 or higher, and is enabled using an optional remote control with the "custom" battery type setting.
4. When enabled, the AC Couple Support Mode feature causes the AC output frequency to shift when the battery voltage reaches a high level. This frequency shift is enough to cause the Utility-Interactive inverter to disconnect and stop charging the battery bank. However, this feature does not guarantee protection against overcharging the batteries. Therefore, some form of Battery Management must be provided to protect the battery bank from being overcharged during utility power failures.

