

EXISTING PV SITE INTERGRATION WITH PEMS

Easy use with existing PV systems

- PEMS units are AC energy storage systems capable of forming microgrids providing master voltage during power failure and compatible with existing PV arrays
- Install the PEMS on the electrical network like you would electric loads
- Add Y:Y transformers to provide a neutral to the panel from the PEMS
- Adjust the voltage as needed with the transformer
- Add a motorized power breaker with intertie relay and PLC between the utility meter and the breaker of the circuit which you want to island with PV Set the PEMS units in the system to microgrid mode
- Rely on the anti-islanding provided by the intertie
- Set the PV inverters high cut off Hz by 0.1Hz steps on each string starting at 60.5Hz or set the power frequency droop curves and the inverters to microgrid mode
- This forms the basis of a PEMS based PV microgrid
- PPS can assist with your application

