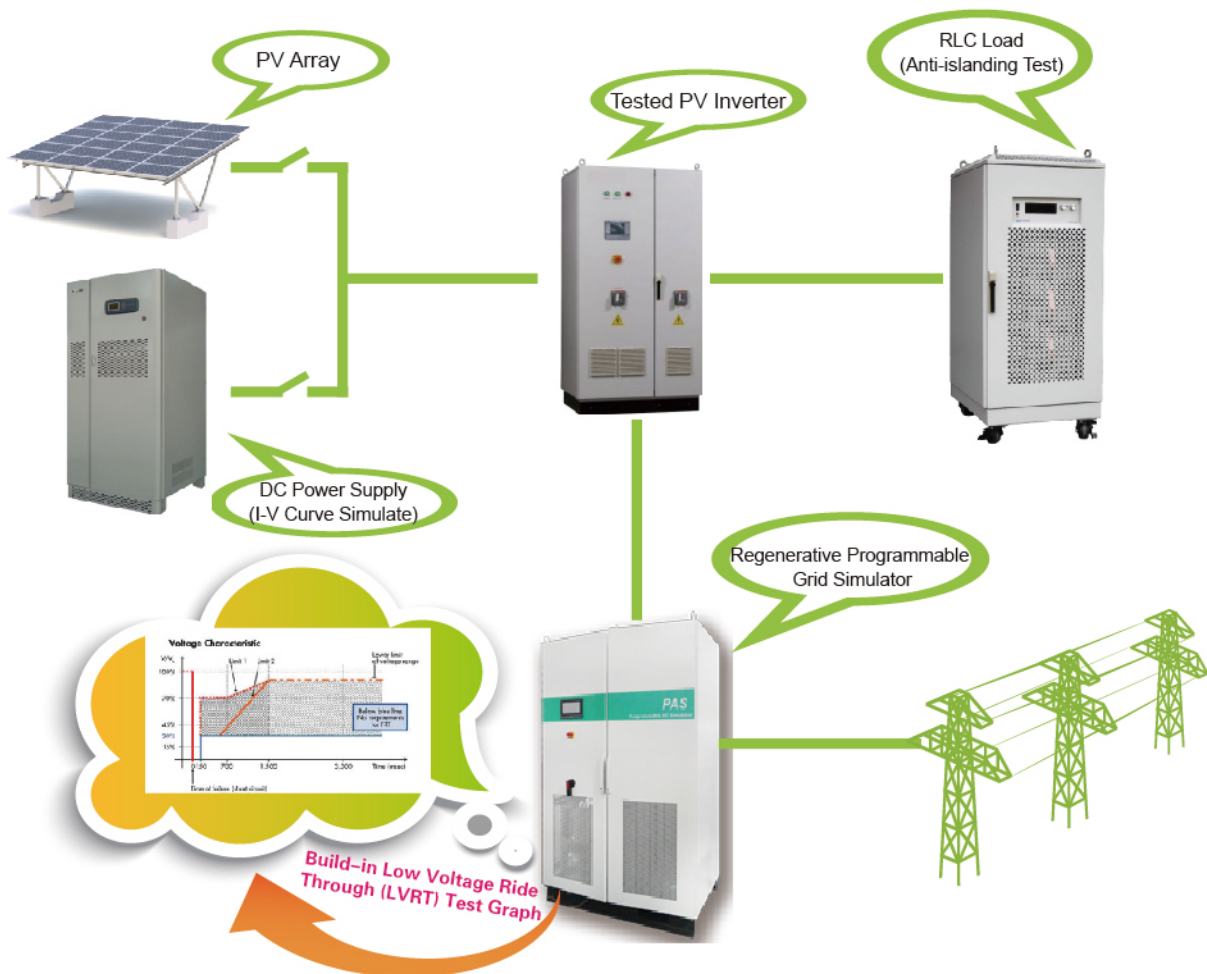


PV Inverter Test Application

Due to the growing demands for cleaner energy source, markets of renewable energy devices such as PV inverters and electrical vehicles have been steadily increasing. Preen developed PAS regenerative type grid simulator for PV Inverter test applications to simulate different grid conditions and sink the power back to the utility grid. It is suitable for compliance test and verification with UL1741, IEEE1547 and BDEW related standard.



Features of PAS Series Programmable Grid Simulator

- ➔ Programmable Output: user defined step change mode and gradual mode to setup different voltage or frequency output automatically
- ➔ Build-in Low Voltage Ride Through (LVRT) Test Graph: build-in LVRT test graph for simulating voltage dip test graph in UL1741, IEEE1547, BDEW, CNCA/CTS 0004-2009A and VDE-AR-N-4105 related standards.
- ➔ Support 100% Reactive Power: regenerate 100% active or reactive power back to the utility grid
- ➔ 3 Phase Independently Adjustment: adjust voltage for each phase independently. Support 3 phase or single phase PV Inverter test
- ➔ Protection: under voltage/over voltage, over current, over load, over temperature....protection and alarm record for quick self diagnosis and trouble shooting.