

20. A method of controlling a power supply system according to claim 13, in which an energy storage device maximum charge is defined and a maximum charge idlewindow is defined below and in relation thereto, and the apparatus is configured whereby if the line voltage is above the second predetermined voltage, upon the energy storage device reaching maximum charge it is neither charged nor discharged until the energy storage device charge falls to the maximum charge idlewindow at which stage the energy storage device is charged.

21. A method of controlling a power supply system according to claim 13, in which an energy storage device

minimum charge is defined and the apparatus is configured whereby upon the energy storage device reaching the energy storage device minimum charge the energy storage device is neither charged nor discharged until the line voltage rises above the first predetermined voltage.

22. A method of controlling a power supply system according to claim 13, in which the energy storage device is a flywheel.

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