C L A I M S

1. An electric power system comprising:

an uninterruptible power supply including an AC switch provided between a commercial power supply and an output part, a secondary battery, and an inverter provided between the AC switch and secondary battery;

an important load connected to the output part;

a distributed power supply connected to the output part;

total load power consumption detection means for detecting the power consumption of all loads including the important load;

charge/discharge power detection means for detecting charge/discharge power of the secondary battery; and

a controller that inputs thereto detection values from the total load power consumption detection means and charge/discharge power detection means and outputs a control command value for controlling the secondary battery, characterized in that

the controller determines the upper and lower limit values of the control command value for operating the secondary battery based on the detection values from the total load power consumption detection means and charge/discharge power detection means.

C L A I M S

1. An electric power system comprising:

an uninterruptible power supply including an AC switch provided between a commercial power supply and an output part, a secondary battery, and an inverter provided between the AC switch and secondary battery;

an important load connected to the output part;

a photovoltaic power supply connected to the output part;

total load power consumption detection means for detecting the power consumption of all loads including the important load;

charge/discharge power detection means for detecting charge/discharge power of the secondary battery; and

a controller that inputs thereto detection values from the total load power consumption detection means and charge/discharge power detection means and outputs a control command value for controlling the secondary battery, characterized in that

the controller makes the upper limit value W_{BATmax} and lower limit value W_{BATmin} corresponding to the output limit of the secondary battery variable and determines the upper limit value (W_{BATmax}) and lower limit value (W_{BATmin}) for the control command value for controlling the secondary battery using following relation. Upper limit value; W_{BATmax} = (the upper limit value of AC switch) - (the output of photovoltaic power supply) + (the power consumption of important load) Lower limit value; W_{BATmin} = (the lower limit value of AC switch) - (the output of photovoltaic power supply) + (the power consumption of important load).