CLAIMS

1. A contact function-equipped multichannel charge/discharge power supply, into which a plurality of secondary batteries are carried in a state where the secondary batteries are arranged in lines at regular intervals in a tray, comprising:

first and second charge/discharge probes respectively connected to positive and negative electrodes of the secondary batteries and first and second voltage-measurement probes respectively connected to the positive and negative electrodes of the secondary batteries; and

charge/discharge means each provided for each of the secondary batteries, each of the charge/discharge means being connected to a pair of the first and second charge/discharge probes, wherein

charge/discharge units are formed by integrating, by one each, the charge/discharge means and the first and/or second charge/discharge probes each connected to each of the charge/discharge means,

substrates, on each of which a column composed of a plurality of the charge/discharge units corresponding to the secondary batteries in each of the lines is formed, are arranged with gaps, and

a fan is provided on one side of each of the gaps.

2. The contact function-equipped multichannel charge/discharge power supply according to claim 1, wherein

the positive and negative electrodes of each of the secondary batteries are provided on an upper side of the

secondary battery, and

the first and second charge/discharge probes are disposed above the secondary batteries, each integrated together with a corresponding one of the charge/discharge means, and provided on the substrates.

3. The contact function-equipped multichannel charge/discharge power supply according to claim 1 or 2, wherein a connecting terminal to be attached to a socket disposed in a fixed state is provided at an end portion of each of the substrates.

4. The contact function-equipped multichannel charge/discharge power supply according to any one of claims 1 to 3, wherein each of the charge/discharge means is thermally insulated from the first and second charge/discharge probes corresponding thereto and from the first and second voltage-measurement probes corresponding thereto.