CLAIMS

1. A submersible power supply apparatus comprising:

a reserve battery module;

a modular reserve battery magazine having a compartment that houses the reserve battery module;

a reserve battery disposed in the reserve battery module;

at least one primary battery module;

a rechargeable battery disposed in the at least one primary battery module; and

an electrically powered control system for controlling the power supply apparatus, wherein the reserve battery module is configured to provide power under the condition that the reserve battery provided therein is activated by the electrically powered control system and the rechargeable battery provides back up for the reserve battery, wherein the rechargeable battery is recharged via one of an external source or an onboard battery source.

2. The submersible power supply apparatus according to claim 1, wherein the modular reserve battery magazine includes a plurality of compartments that house a plurality of reserve battery modules, and a plurality of reserve batteries each disposed in a corresponding one of the plurality of reserve battery modules.

3. The submersible power supply apparatus according to claim 1, further comprising:

a communication unit that communicates when at least one reserve battery module of the plurality of reserve battery modules is activated.

4. The submersible power supply apparatus according to claim 3, wherein the communication unit is configured to communicate with an external control unit to remotely control the electrically powered control system.

5. The submersible power supply apparatus according to claim 3, wherein the communication unit is configured to communicate an electrical performance of an activated reserve battery module of the plurality of reserve battery modules.