

Utilization of Used Batteries In Vehicles



BUTTERFLY®

『BUTTERFLY®』

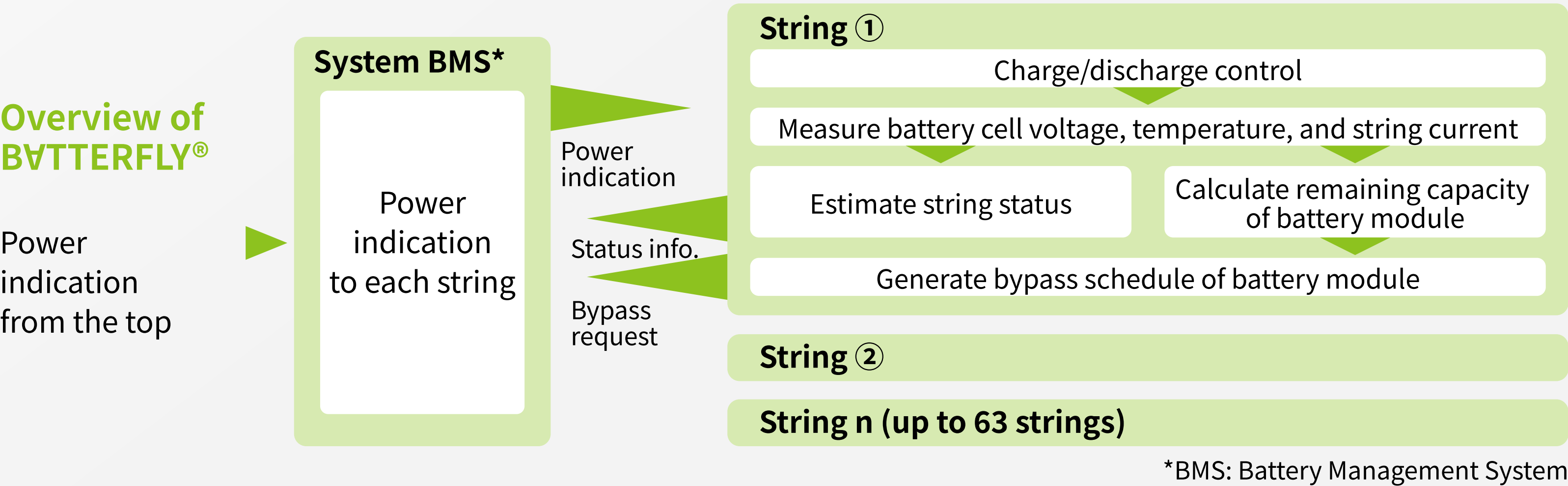
Development of "BUTTERFLY®", a product for reuse battery storage systems, which utilizes used in-vehicle batteries with different deterioration states. Demonstration tests are being conducted for utilization of renewable energy and actualization of a sustainable society.

Background or Challenges

As electric vehicles are becoming more popular, proper disposal of used batteries in vehicles will become an issue. In-vehicle batteries that have been used in various environments are difficult to reuse due to different deterioration states, so new technologies need to be established.

Solutions to Challenges

- 1 Reduces the use of new batteries by reusing used in-vehicles batteries. Builds a sustainable power storage system reducing life cycle cost and environmental impact.
- 2 Maximizes battery performance even when using batteries with different deterioration states by utilizing a unique control technology, enabling supply of efficient and stable power.
- 3 Adjusts power storage capacity and output according to setting environment. Achieves power storage systems that can be used from household to industrial and grid.



Demonstration facility in Y-CITY (Susono City, Shizuoka Prefecture)



BUTTERFLY®, a product for reuse battery storage systems