

Utilization of Used Batteries In Vehicles

Under
development

Scheduled to
enter the business
by 2030

Development of "B∇TTERFLY[®]," 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 assignment

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

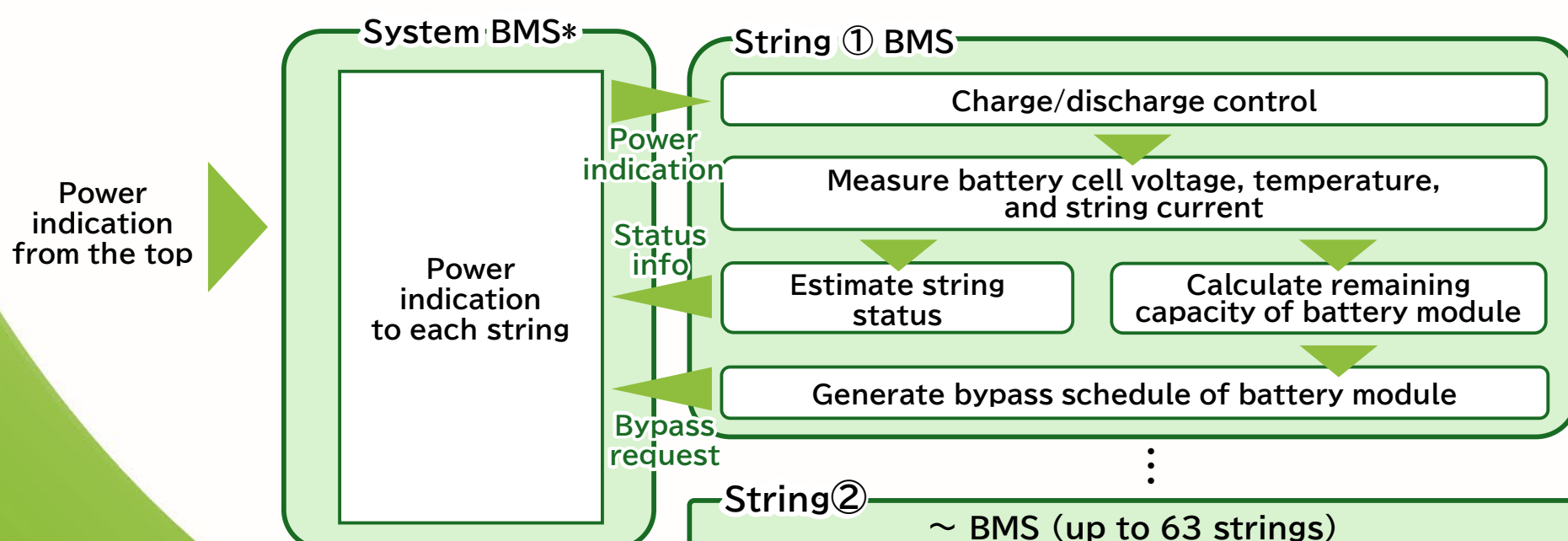
■ Demonstration facility in Y-CITY
(Susono City, Shizuoka Prefecture)



■ B∇TTERFLY[®], a product for reuse battery storage systems



■ Overview of B∇TTERFLY[®]



YAZAKI

* BMS: Battery Management System