



Tech ID: 12-0030

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Status:

Seeking R&D and/or
licensing partner

Patent Pending

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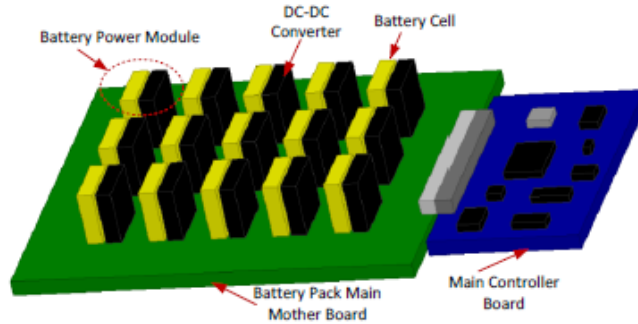
24 Publications

4 Patent Applications

Efficient and Reliable Battery Power

System of power converters used in conjunction

- Uses a series of small DC-DC converters
- Individual cells regulate voltage symmetrically and asymmetrically
- Monitors cell balance and measures real-time online cell impedance



A rough partial simplified diagram that is not to scale to illustrate how the proposed distributed battery system might look like and its modularity

Advantages

- Ability to monitor and remove individual cells within a battery system
- No need for additional balancing circuits to transfer charges between the cells
- Controls voltage between circuits

Applications



Automobiles



Photovoltaic Systems

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