

TOSHIBA

Energy Solutions for e-Mobility



TOSHIBA

SCiB™

Toshiba's SCiB™ Rechargeable Battery

SCiB™ uses lithium titanium oxide (LTO) in its anode to achieve excellent characteristics, including safety, long life, low-temperature performance, rapid charging, high input/output power and large effective capacity.

SCiB™ has been widely used for vehicle, industrial and infrastructure applications, including automobiles, buses, railroad cars, elevators and power plants.

Long Life Battery

> 20,000 charges

Fast Charge

Charged in 25 Min

Less Waste

½ the life waste

Light-weight

½ the battery

Long Day Range

> 500Km possible

Smooth Ride

Less noise

High Safety

Safe battery design

No Asset Replacement
for Many Years

No Time Lost for
Charging & Quick Turn-
around

Comparatively
Generates only 50%
Waste After Use

Ease of Mounting and
Less Pay-Load

Time Saved for
Charging Breaks

Greater Passenger
Comfort

Very Low Risk of
Operational Fire /
Explosion

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SCiB 20Ah, 2.3V Cell



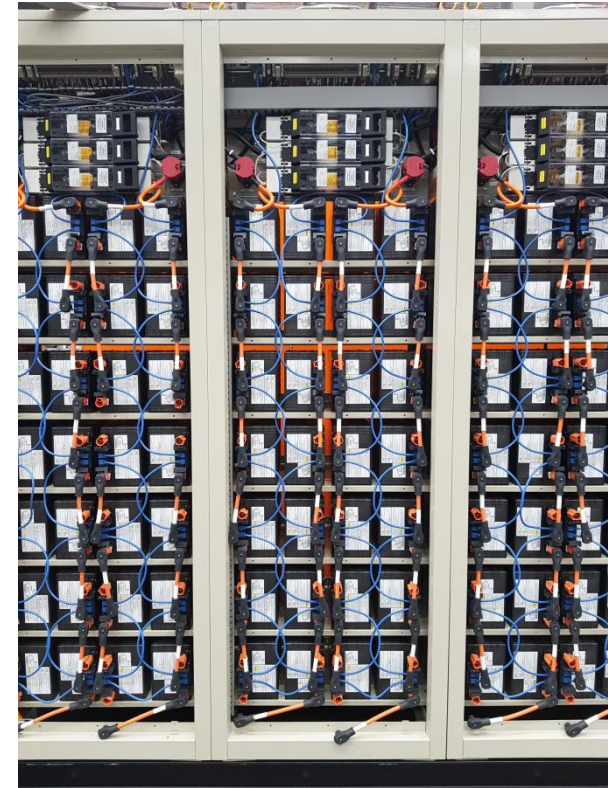
SCiB 40 Ah, 27.6 V Module

- Uses highly safe lithium titanium oxide (LTO)
- Over 20,000 cycles*
- Can be used at temperatures as low as -30°C
- Rechargeable in 6 minutes*
- Chargeable at large current and provides large current outputs up to 10C
- Very safe for impact pressure and penetration

* Measured with a particular single cell under specific conditions

- SCiB™ modules consist of multiple cells in Series – Parallel connection to obtain necessary AH capacity and voltage.
- Each cell is monitored for Voltage & Temperature over CAN Bus.
- High Charging / Discharging rates up to 4C

SCiB System



- SCiB modules can be combined to meet specific application requirement
- All module parameters are monitored over CAN bus in system's BMU.
- SCiB systems can be used as Energy Storage units for renewable energy, e-vehicle chargers, peak-cut out applications etc.

SCiB Applications:



Energy Source for driving e-Vehicles with rapid charging capabilities



Battery Chargers for e-Vehicles



Energy Storage Units & for topping-up excess demand (peak-cut)

SCiB™ A battery that is designed for new world of 21st Century.



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