

" LIC" is a registered trademark of SUBARU Corporation

High Heat-resistant Lithium Ion Capacitor (LIC) Module

Cost reduction through high-power, long-life energy storage devices



35th Chunichi Industrial Technology Award Minister of Economy, Trade and Industry Award

72nd Society of Automotive Engineers of Japan Award Technology Development Award

3 Features >

Peak cut

Regenerative Power Utilization

Durability (under continuous high load)

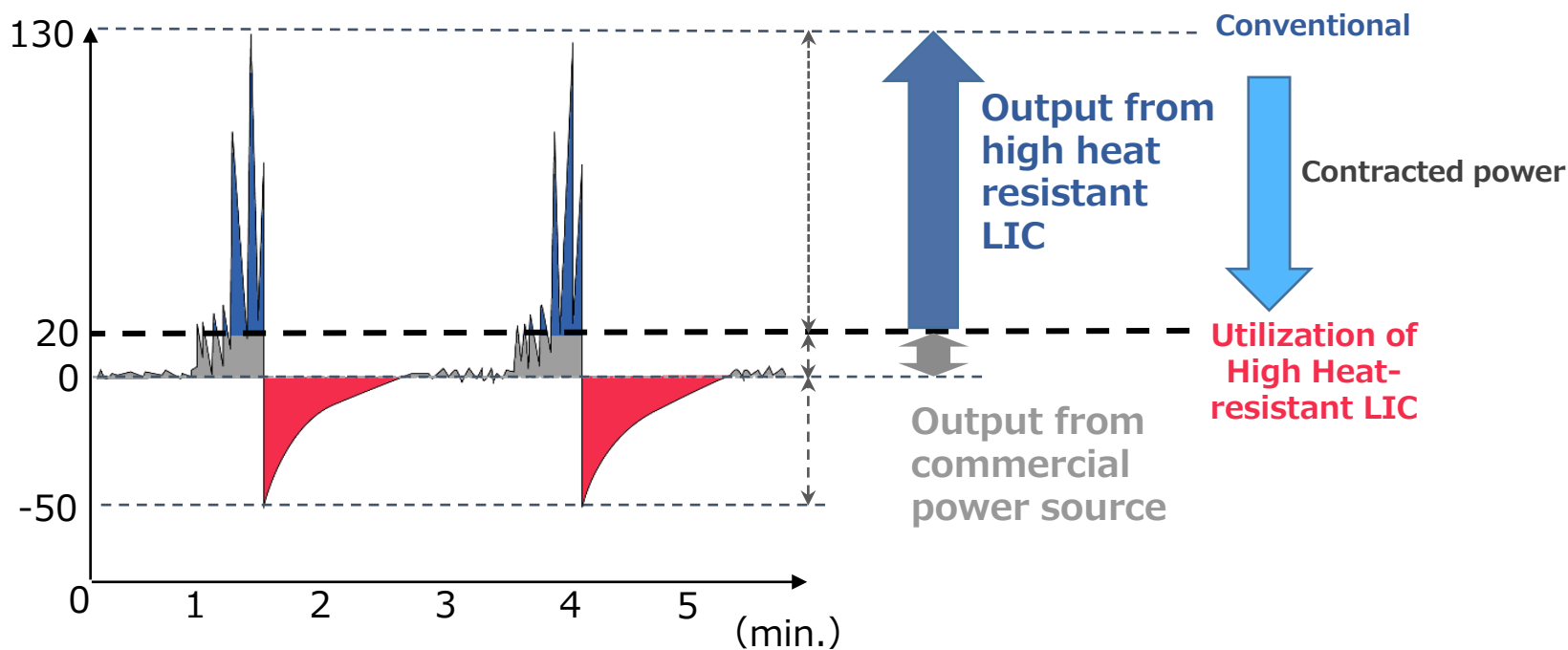
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Strengths of High Heat-resistant LIC Modules

1 peak cut

● Commercial power supply + High Heat-resistant LIC → **Reduce peak power demand & Contracted power reduction**

(output ,kW)



👉 Ideal for facilities with severe power fluctuations

- High-frequency heat treatment equipment
- Servo press
- Robot
- Machine tools



Reduction of monthly electricity bill (fixed cost) by reducing contracted electricity

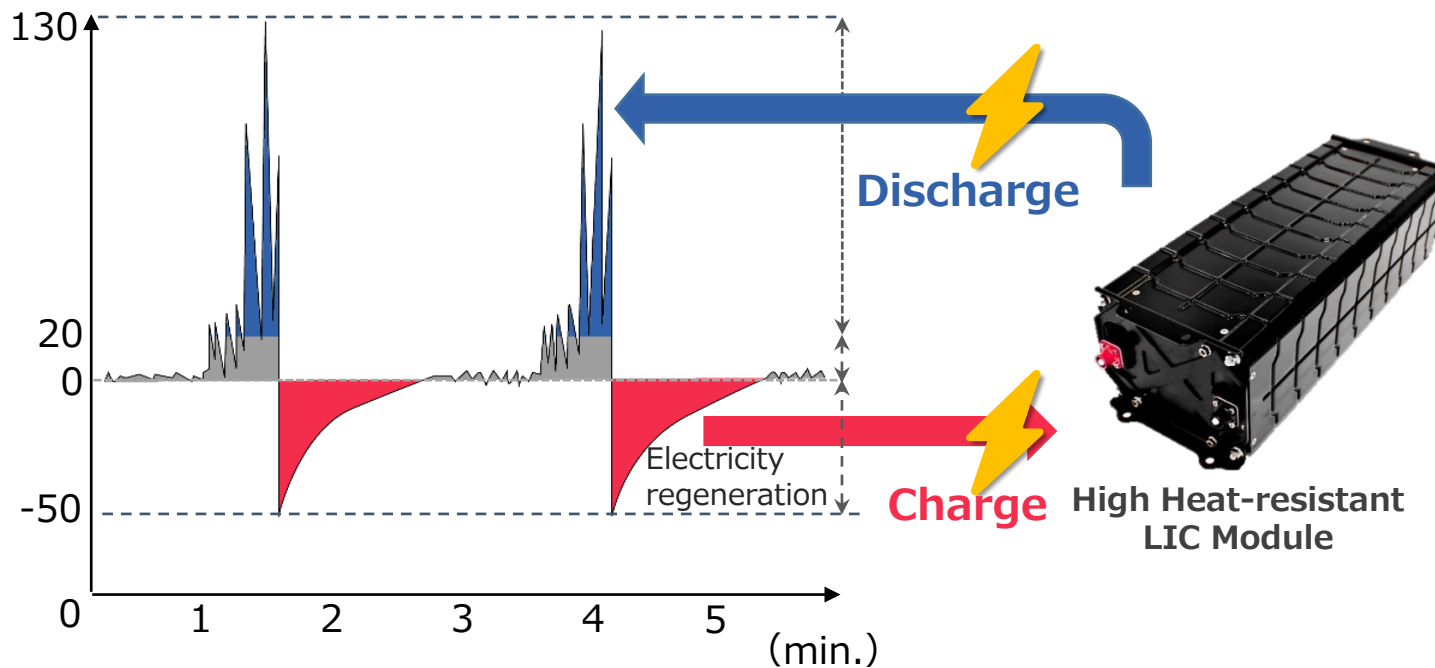


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Strengths of High Heat-resistant LIC Modules

● Effective use as regenerative power

(output ,kW)



2 Regenerative Power Utilization

👉 Ideal for facilities prone to regenerative power generation

- Machine tools
- Servo press
- Transport device
- Crane



Reduction of electricity consumption through reuse of regenerative power



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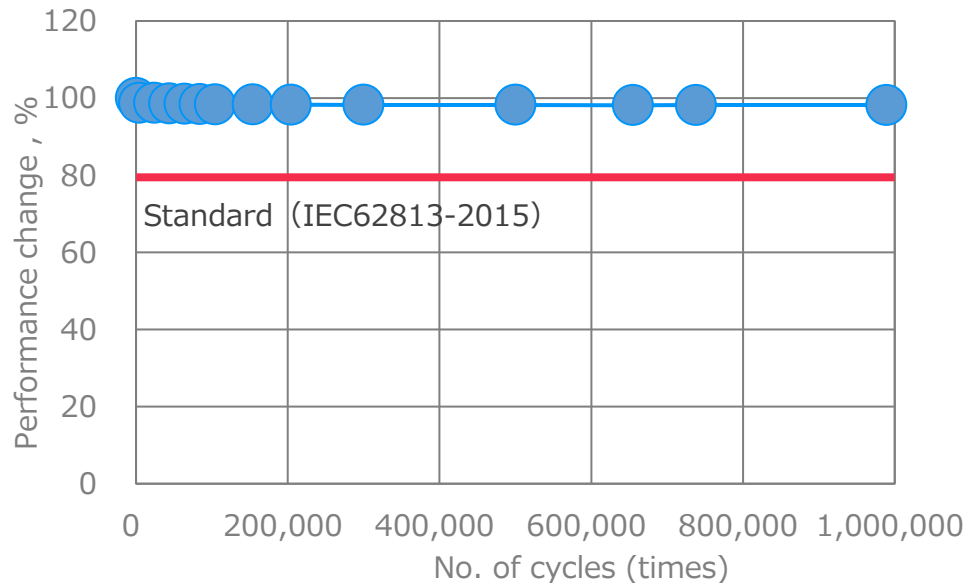
Strengths of High Heat-resistant LIC Modules

- **Suppresses degradation caused by self-heating (Joule heating)** under continuous high-load

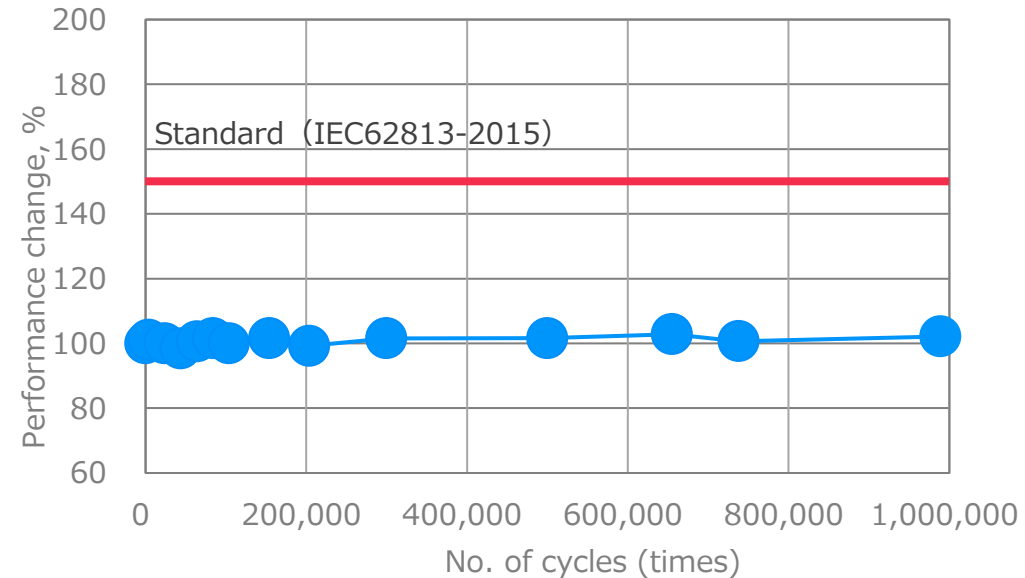
3 Durability (under continuous high load)

Utilized Cells : 2000F
Maximum current : 480A(540C)
Ambient temperature : 25°C
charge-discharge cycle : 5 sec.

Capacity change



Internal resistance change



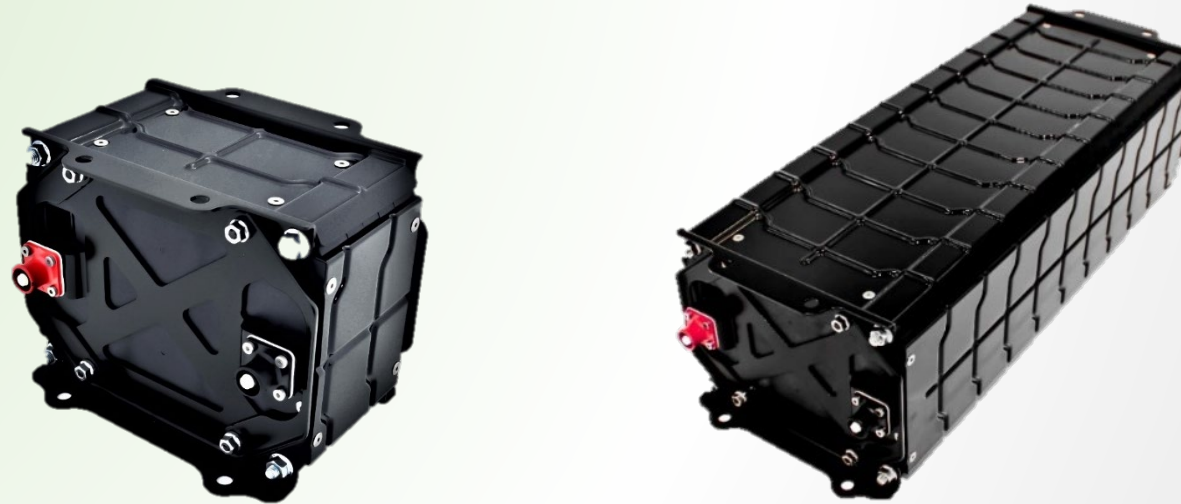
Maintenance-free for continuous high-load use



Solution

JTEKT GROUP

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Get started! Energy saving with High Heat-resistant LIC!