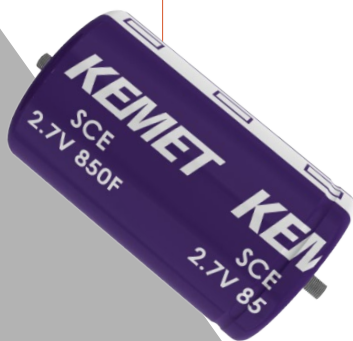


PRODUCT OVERVIEW

YAGEO Group's SCE Series consists of ultra-high-capacity Electric Double-Layer Capacitors (EDLCs) designed for applications requiring extremely low internal resistance, very high current discharge and large-scale energy storage. With massive capacitance, ultra-low ESR and exceptional power density, the SCE series acts as a power bridge for heavy-duty industrial and automotive systems, delivering instantaneous energy when it matters most.



Quick Facts

Voltage: 2.7 VDC

NEW

Capacitance Range: 220 – 3000F

Construction: Snap-in

Certifications: RoHS and Halogen-Free.

Contact & Information

For special requests (custom designs, lifetime extensions, etc.), [contact](#) regional Product Managers.



CAPACITORS

Aluminum Electrolytic

SUPERCAPACITORS



Key Selling Points

Features

Massive capacitance

Ultra-low ESR (down to 0.26mΩ)

Very high current capability (up to 2275A)

High power & energy density

Robust, maintenance-free solid-state design

Customer Value

Enables large energy storage for high-load and backup systems

Extremely fast response and minimal power losses

Supports extreme peak loads and instantaneous power demand

Delivers high energy and power in fewer components

Reliable long-term operation with no replacement or service required

Target Applications

- **Jump Starter Systems**
Instantaneous high-current discharge for engine start support.
- **Server & Data Center Backup Power**
Power hold-up and ride-through during short outages.
- **Microgrid & Energy Storage Systems**
High-power buffering for grid stabilization and energy release.
- **Industrial Power Systems**
Support for heavy-load equipment and high inrush current demands.
- **Automotive High-Power Applications**
Energy buffering for high-current automotive subsystems.

Market Advantages

- **Extreme power and current capability**
Designed for applications where batteries or standard capacitors fall short.
- **Scalable energy storage solution**
Wide capacitance range supports small to large energy systems.
- **Maintenance-free and long lifetime**
Over 500,000 cycles with stable electrical performance.
- **Reliable in harsh environments**
Stable operation across temperature, humidity and vibration stress.
- **Global availability & supply assurance**
Globally available via key regions and distributors, simplifying sourcing and design integration.