

● Feature

- ☑ Endurance: **105°C 3,000h** (with ripple)
- ☑ Voltage: 400V_{dc} / 420V_{dc} / 450V_{dc}
- ☑ Capacitance : 240 to 820 μ F
- ☑ Size: ϕ 30 \times 35L to ϕ 35 \times 59L
- ☑ **Higher ripple current** than KMT series

● Recommended Application

- ☑ For general, Infrastructure power supply (Input filtering, PFC circuit)
- ☑ For inverter (DC Link)

● Product Chart

- ☑ **Recommended to replace from KMS/KMT to KHJ**

*Higher ripple current series (Snap-in type)

KMS

- Recommended series
- 2.22Arms/120Hz
(450V560 μ F, ϕ 35 \times 50L)
- 105°C 3,000h

Since 2006.05

KMT

- **Higher ripple current**
- 2.85Arms/120Hz
(450V560 μ F, ϕ 35 \times 50L)
- 105°C 3,000h

Since 2012.08

NEW **KHJ**

- **Higher ripple current!!**
- **3.51Arms/120Hz**
(450V550 μ F, ϕ 35 \times 51L)
- 105°C 3,000h

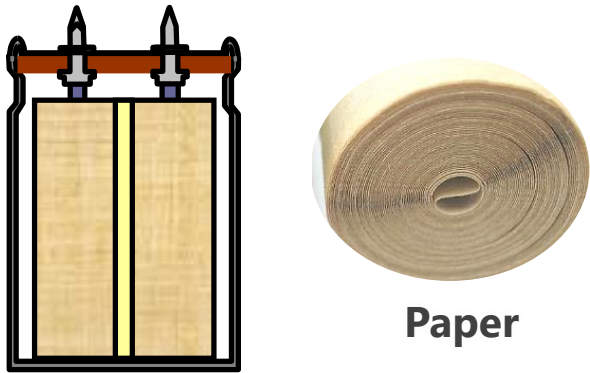


Since 2020.02



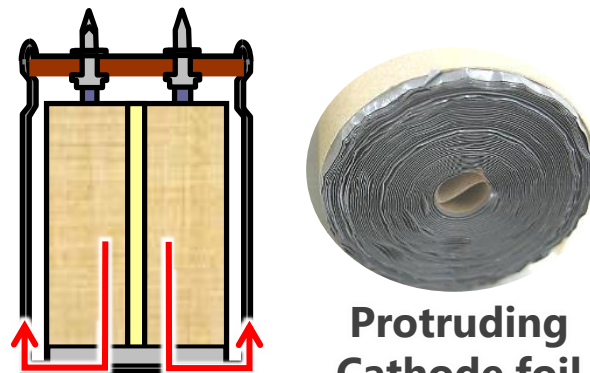
● Advantage

Conventional Structure



Paper

Heat dissipative Structure



Protruding Cathode foil

- ✓ **Structure:** Protruding cathode foil on the bottom side.
- ✓ **Case:** Foil directly contact to case (High thermal conductivity)

✓ Two advantages from KMT to KHJ



- ① **Downsizing**
- ② **Higher ripple current**

Conventional
KMT

【 Key Technologies 】

Al-Foil (+)

- Low losses foil
(Higher ripple current at 120Hz)

Al-Foil (-)

- Heat dissipative structure

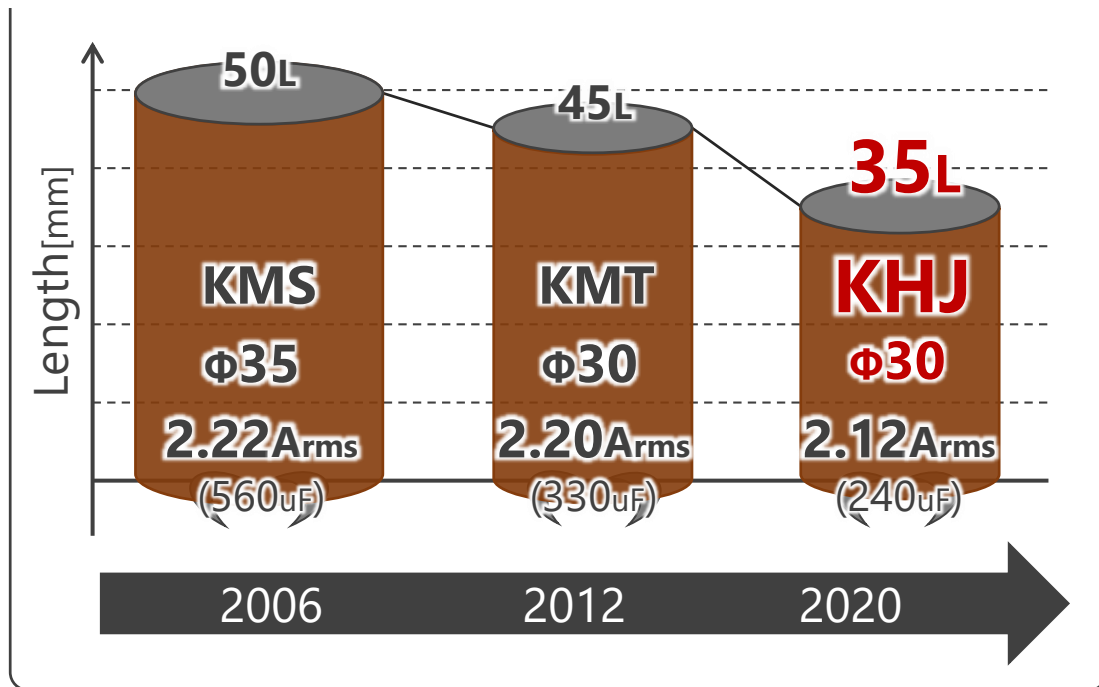
NEW
KHJ

● **Benefit/Evidence**

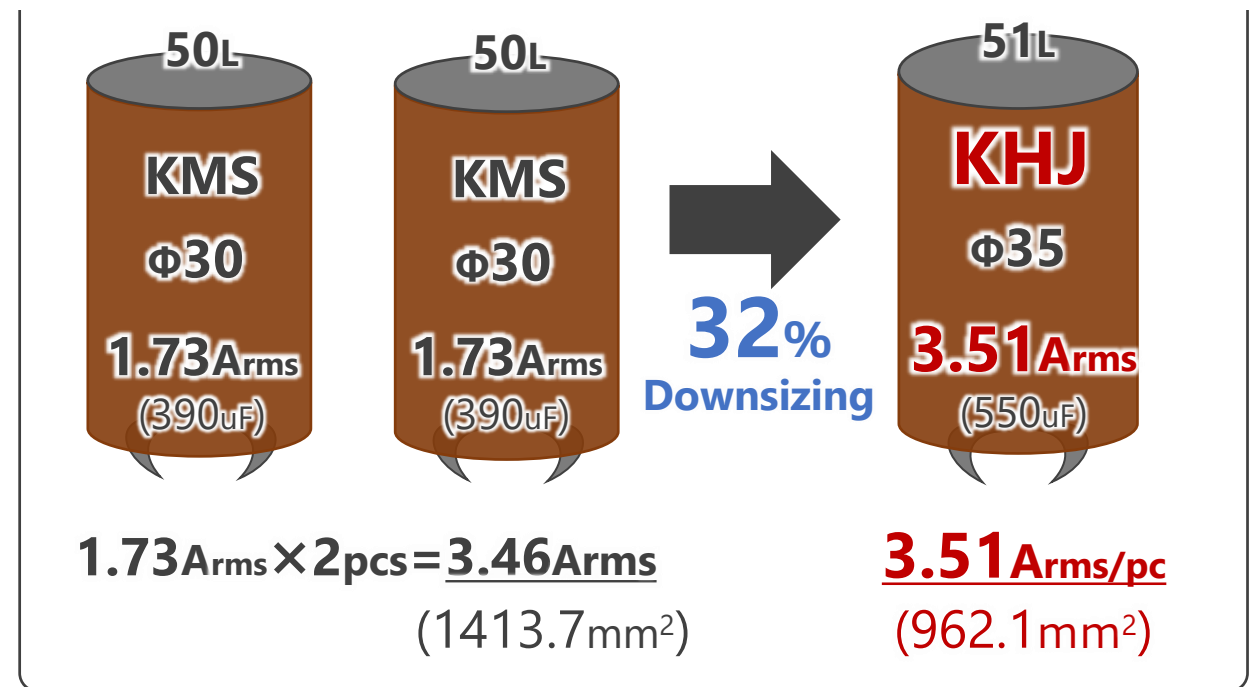
- ➔ ① **Downsizing** . . . Equipment downsizing, Low height, Reduce # of capacitor
- ② Higher ripple current . . . Longer equipment life



☑ **Downsizing** (450v, Fixed ripple current)



☑ **Reduced Number** (450v, Fixed total ripple current)



● Benefit/Evidence

① Downsizing . . . Equipment downsizing, Low height, Reduce # of capacitor

➔ ② Higher ripple current . . . Longer equipment life

