NEW
LHJ Series

Snap-in Type
Aluminum Electrolytic Capacitor

Higher ripple current

No. U21C080806

● Feature

- ☑ Endurance : 105℃ 5,000h (with ripple)
- ☑ Voltage : 400Vdc / 420Vdc / 450Vdc
- ☑ Capacitance : 220uF to 810uF
- ☑ Size : Φ30×35L to Φ35×59L
- ☑ Higher ripple current than LXS series

● Recommended Application

- ☑ For general, Infrastructure power supply (Input filtering, PFC circuit)
- ☑ For Photovoltaic, industrial Inverter

● Product Chart

☑ Recommended to replace from LXS/KMT to LHJ

*105℃5,000h with Higher ripple current (Snap-in Type)

LXQ
- Longer life
- 1.98Arms/120Hz (450V470uF, Φ35×50L)
- 105℃ 5,000h

Since 2002.10

LXS
- Downsizing
- 2.22Arms/120Hz (450V560uF, Φ35×50L)
- 105℃ 5,000h

Since 2006.04

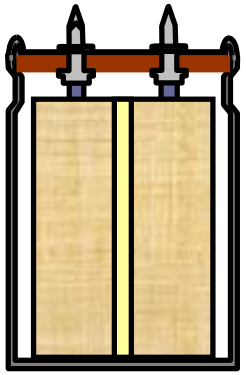
NEW LHJ
- **Higher ripple current!!**
- **3.44Arms/120Hz** (450V530uF, Φ35×51L)
- 105℃ 5,000h

Since 2020.02

URL_https://www.chemi-con.co.jp/e/

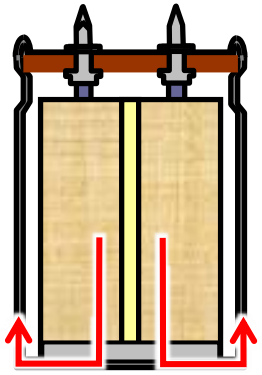
● Advantage

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 KXS to LHJ

①Downsizing
②Higher ripple current

Conventional
LXS

【 Key Technologies】

Al-Foil (+)
・Low losses foil
(Higher ripple current at 120Hz)

Al-Foil (−)
・Heat dissipative structure

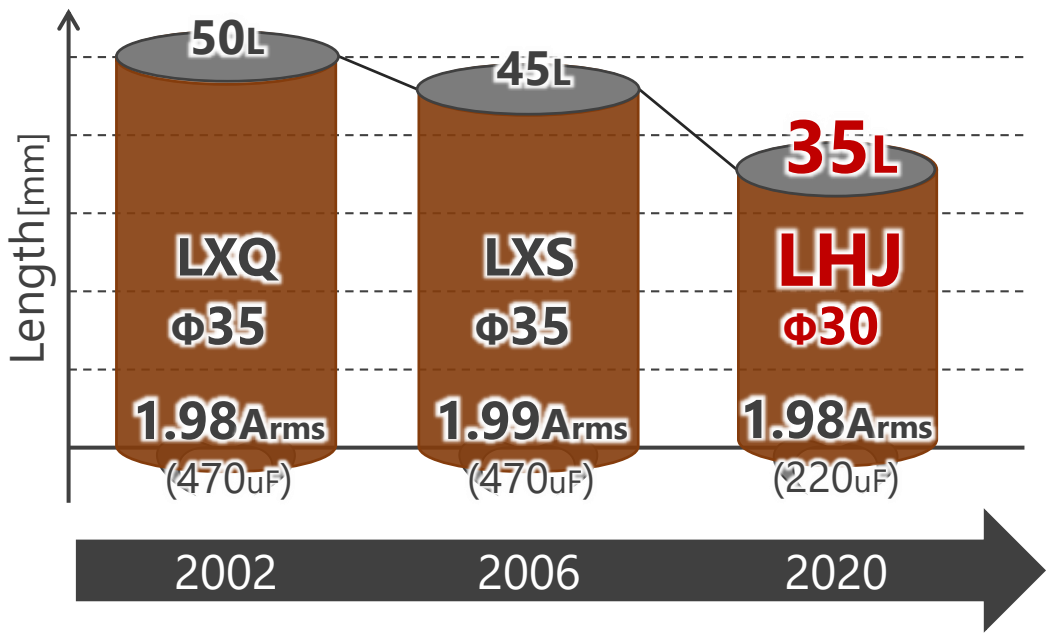
NEW
LHJ

● Benefit/Evidence

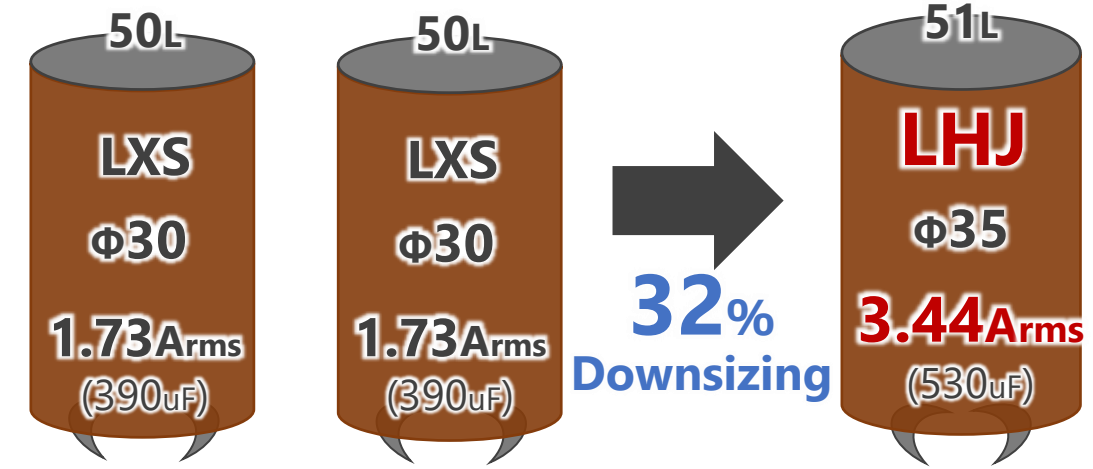
➡ ①Downsizing・・・Equipment downsizing, Low height, Lightweight

②Higher ripple current・・・Longer equipment life, Reduce # of capacitor

☑ Downsizing (450V, Fixed ripple current)



☑ Reduced Number (450V, Fixed total ripple current)



1.73Arms×2pcs=3.46Arms
(1413.7mm²)

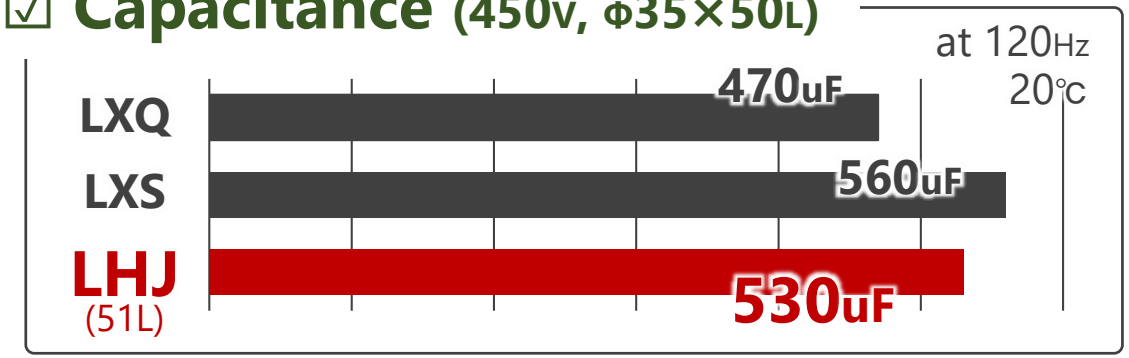
3.44Arms/pc
(962.1mm²)

● Benefit/Evidence

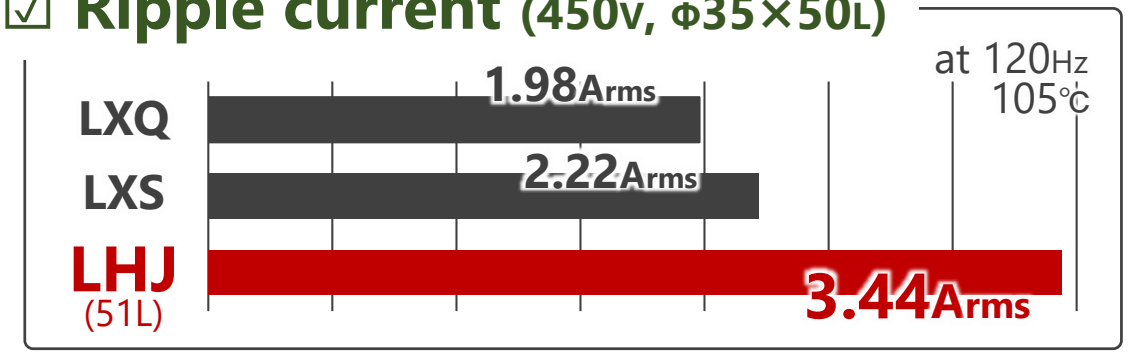
①Downsizing・・・Equipment downsizing, Low height, Lightweight

➡ ②Higher ripple current・・・ Longer equipment life, Reduce # of capacitor

☑ Capacitance (450V, Φ35×50L)



☑ Ripple current (450V, Φ35×50L)



☑ Lifetime (450V, Φ35×50L)