

EDLC Application Notes



E-Caps Total Solution

Super Cap -- Coin type (3.6V OR 5 V)

SCL / SVL / SVLT / SCLT Series

Features :

**Small size, High capacitance,
High Reliability**

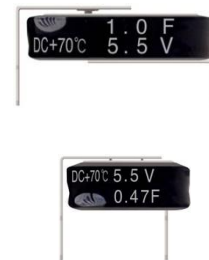
- **SCL -25~70**
- **SVL -40~70**
- **SVL -25~85**
- **SCL -40~85**



C-TYPE



V-TYPE



H-TYPE

★ Applications



Car Audio
RTC back up
& Static RAMs



PLC
RTC back up
& Data back up



Printer
Memory back up



Electric Meter
RTC back up
& Data back up



SET TOP BOX
RTC back up



Taillight (bike)
Main Power



DAB
RTC back up



Audio
RTC back up



DVD RW
RTC back up



RTC back up



Boiler controller
Memory back up



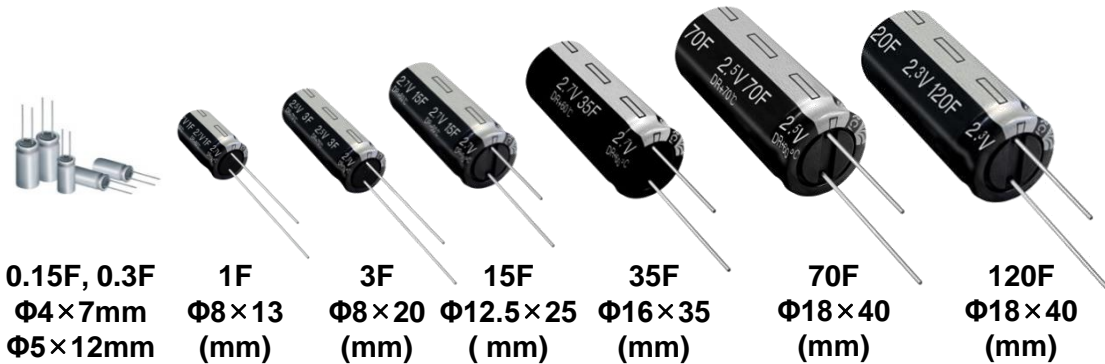
E-Caps Total Solution

Super Cap -- Radial type (2.7V) SRL Series

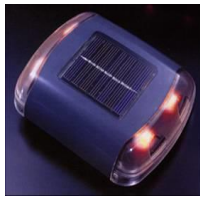
Features:

Low ESR, High capacitance

High discharge Current



★ Applications



Solar sign
LED lighting at night



TOY
Motor Drive



Meter (water, gas)
Motor Drive



Car Amp.
Large Power Supply



Heating water
Large Power Supply



Remote Controller
Energy Storage



UPS, AVR
Large Power Supply



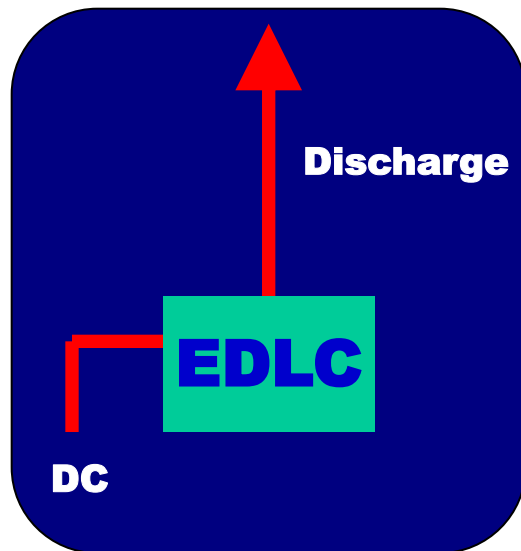
E-Caps Total Solution

EDLC's Application



E-Caps Total Solution

EDLC'S Application (I)



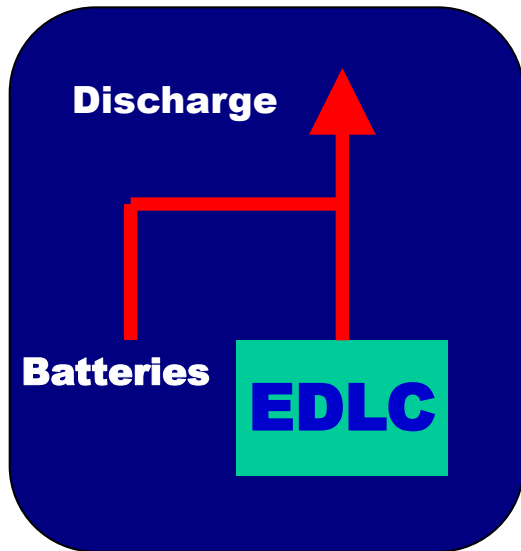
Back Up

- **DC Base Power Source**
- **Enhance PSU Reliability**

Application

- **UPS / Emergency**
- **Shutters**
- **Machine tools**
- **RTC**

EDLC'S Application (II)



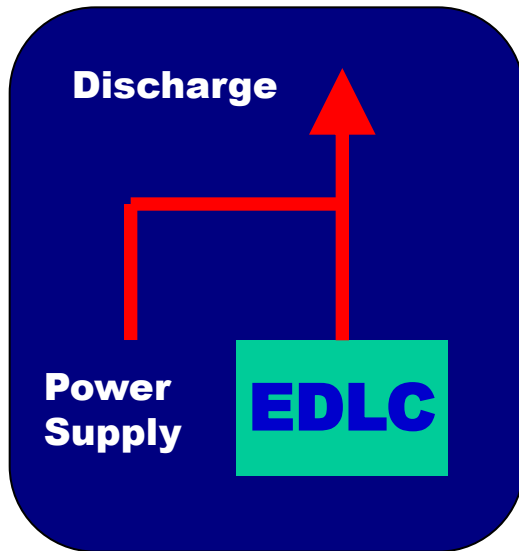
Assisting Battery

- **Sharing Heavy Starting duty**
- **Improving PSU System**
- **Longer Battery Life**

Application

- **EVH Car**
- **Forklift**
- **Motor Bikes**
- **RTC**

EDLC'S Application (III)



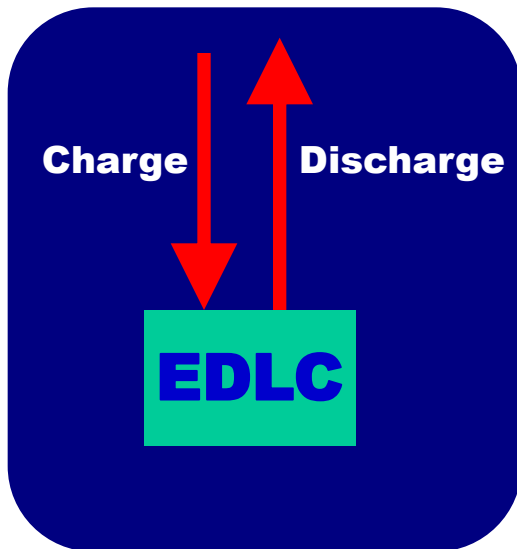
Peak Cut

- **Sharing Intake Power**
- **Reduced PSU System**
- **Downsized**

Application

- **Automatic Vending M/C**
- **Conveyers**
- **Warm Toilet System**

EDLC'S Application (IV)



Recycling of Power Generation

- **Charging and Discharging**
- **On Running System**

Application

- **Elevator**
- **MRT**
- **Cranes**

ELDC vs other Power Sources

Technology	Operating Temp. (°C)	PC Board Attachment	Self-Discharge Rate	Disposal/Transportation Restrictions	Charging Circuit/Cycles	Backup Time
Primary Lithium	-30 to +80	Wave solder	Low	High	N/A	Long
S-CAP	-40 to +85	SMT	High	Low	Simple/unlimited	Short
Rechargeable (NiCd/NiMh)	0 to +40	Hand solder	Medium	Medium	Simple/500	Short
Reflowable ML	-20 to +60	SMT	Low	High	Voltage 12 - > 1000	Medium



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