

FEATURES

1. FEATURES OF EDLC

Electric double layer capacitor (EDLC) stores the electrode surface and the interface of the electro bath as a dielectric substance at the part called "electric double layer"

EDLC has feature that is not electrochemical reaction, whereby rapid electrical charge and discharge is possible and have longer lifecycle.

◆ **Capable of being charged & discharged rapidly.**

Without electrochemical reaction, loss of the energy at rapid charge and discharge is small.

◆ **Long life-cycle**

Without electrochemical reaction, deterioration by charge and discharge is small, and maintenance free.

◆ **Stable temperature characteristics**

Less capacitance decrease at -25°C

◆ **Environmental hazards are considered**

Capacitors are not containing heavy metal.

2. APPLICATION

◆ **Energy storage**

Maintenance-free of the device is possible
Memory Back up, Motor Starting, LED driver
storing solar cell energy.

◆ **High power input / output**

Re-generated energy and Power-assist is possible
Small UPS, Energy restoration-power Assist
(Hybrid car, Fuel cell, Natural energy generation).

◆ **Applied Products**

Rubycon provides power supply units with a built-in small UPS.
Simple packages (modules), high voltage / large
capacitance modules (with balancing circuits) are
available upon requests.