

OUTLINE

1. OUTLINE 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.

2. FEATURES

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

◆ **Long life-cycle**

Over ten thousand times and maintenance free.

◆ **Stable temperature characteristics**

Less capacitance decrease at -25°C

◆ **Environmental hazards are considered**

Capacitors are not containing heavy metal.

3. APPLICATION

◆ **Energy storage**

Memory Back up, Motor Starting, LED driver storing solar cell energy.

◆ **High power input / output**

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.