

Clean energy devices to sustain
the next generation

DC POWER SUPPLY

EDLC application product

Features

EDLC (Electric Double Layer Capacitor)

Hold Up Time > 4 Seconds

With Power failure detection signal

5 Output Voltages from 3.3-48VDC

Universal Input 85-264VAC

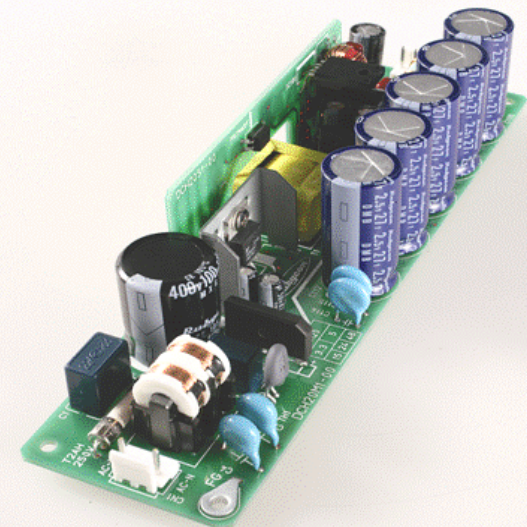
Meets FCC Class B, CISPR Class B

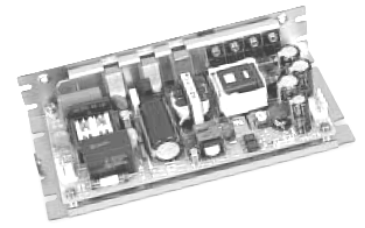
Board type

RoHSCompliant

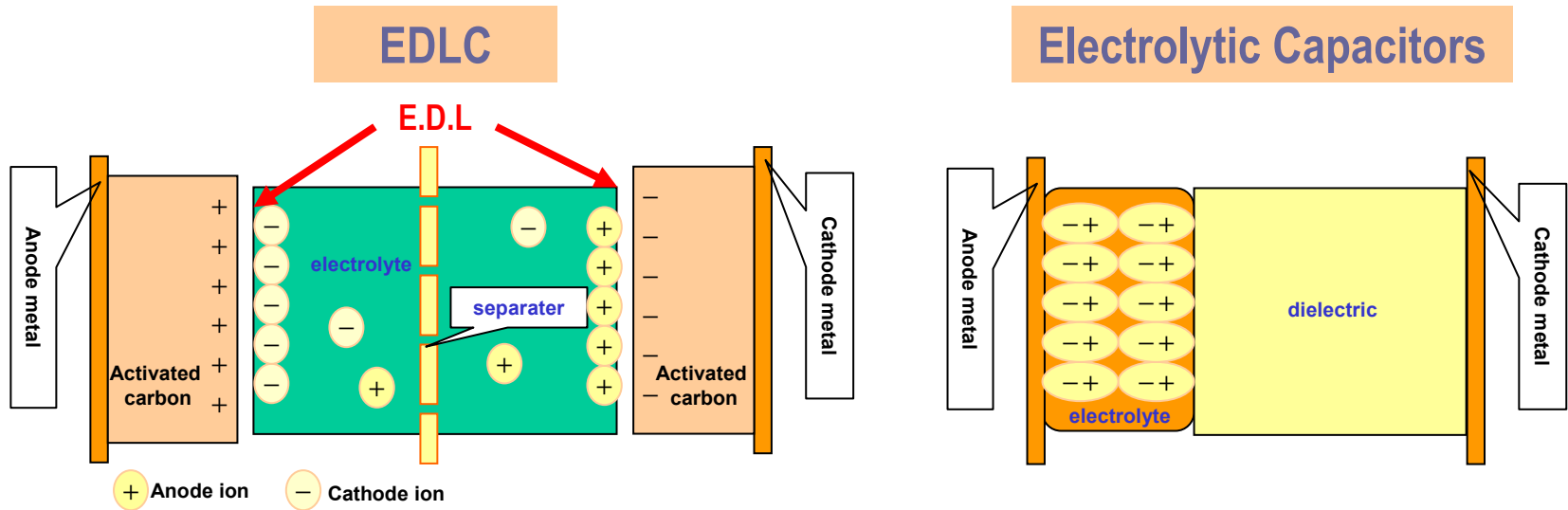
BUILT-IN BACKUP

Maintains Power for 4 seconds
when AC power is interrupted
SUPERCAP Δ EDLC Technology



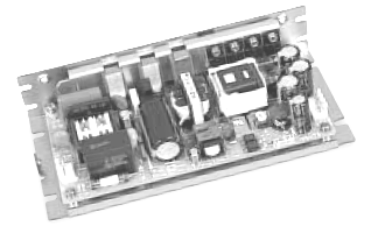


What is an Electric Double Layer Capacitor?

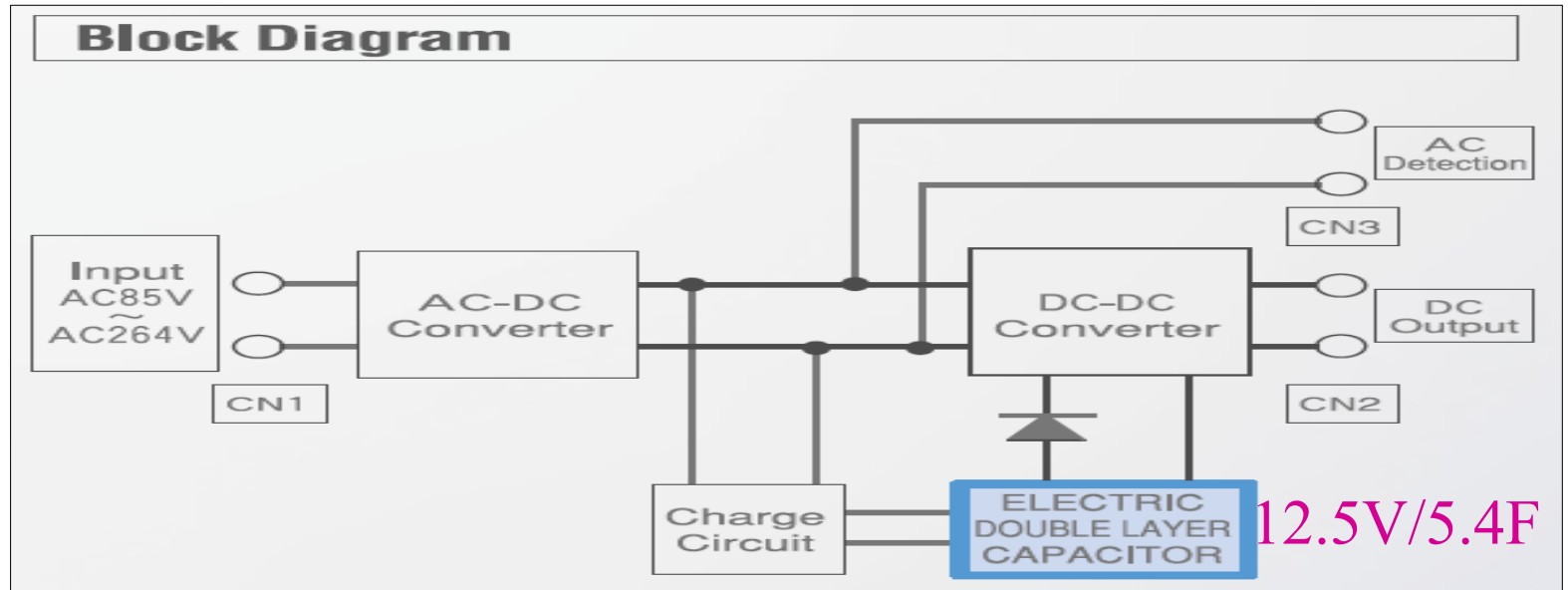


- Electricity is saved between the electrode surface and the interface of the electrolyte as a dielectric substance, at the part called “electric double layer”.
- Large capacity can be achieved by using activated carbon with very big surface as the electrode.



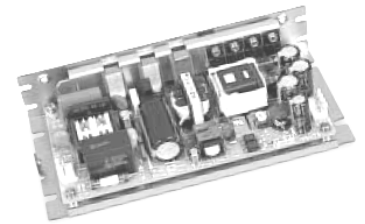


DCH-20 → EDLC Power Supply Block Diagram

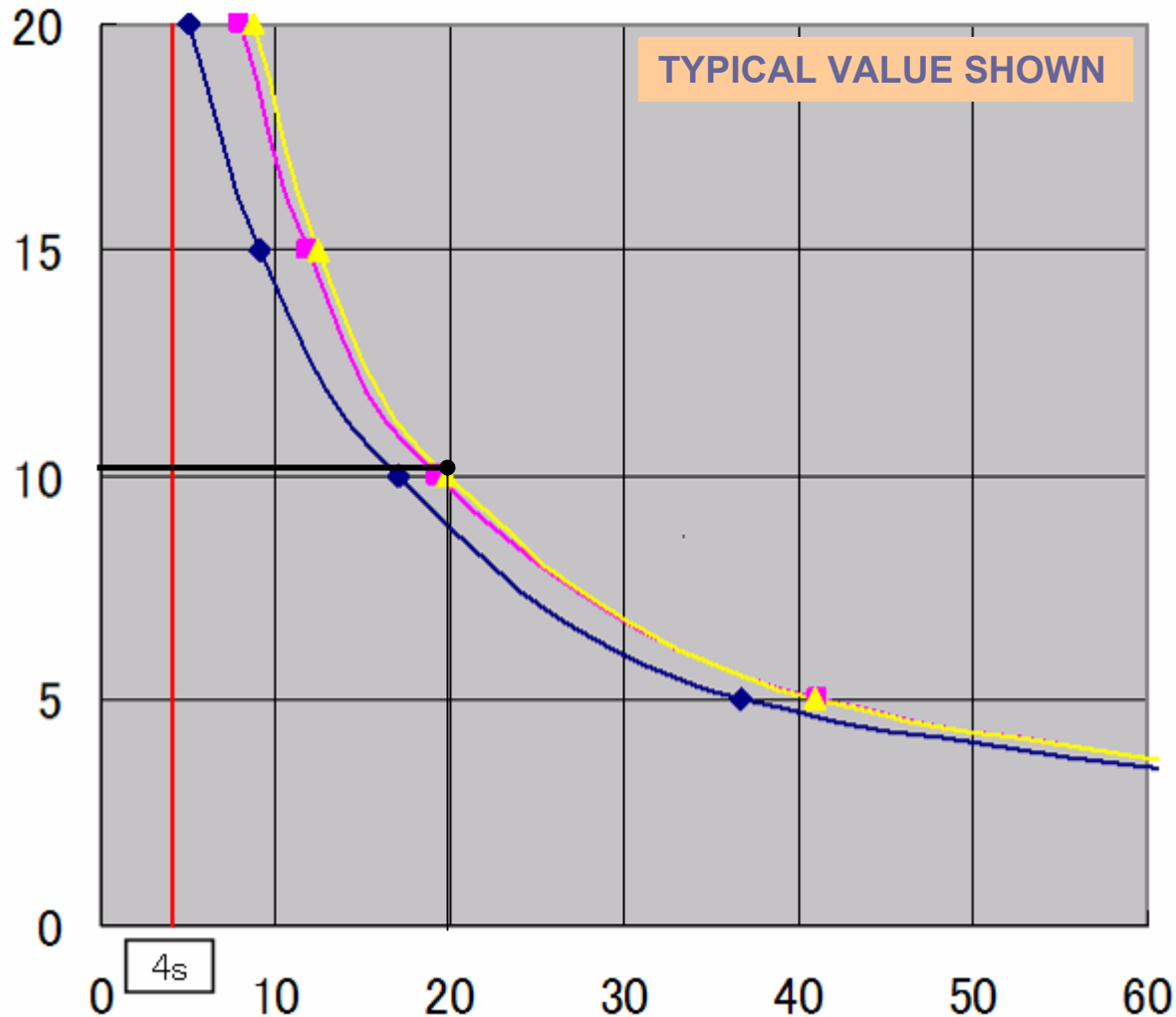


- 1) After input AC(85V to 264V), First the AC/DC converter makes DC output
- 2) This DC output supply DC/DC converter and charge circuit of EDLC
- 3) DC/DC converter makes rated DC output and supply outside, also EDLC is charged by charger circuit (About 40S)
- 4) If AC input off, become no AC/DC converter output, then EDLC supply energy to DC/DC converter





Operating at 10 Watts, delivers 20 Seconds of power during Brown Out !



- 60°C
- 25°C
- 0°C

