

Electric Double Layer Capacitor

DLCAP™ Module



For an easy usage of Electric Double Layer Capacitor DLCAP™, we have prepared a standard module. By connecting several of these modules, composing a higher voltage, larger volumed module will be possible.

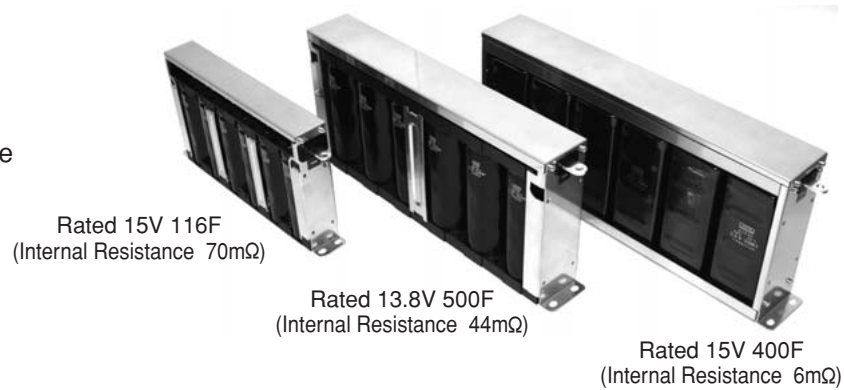
● **Application Examples**

- Solar energy generation charge
- Wind electric generator buffer
- Battery assistance
- Vehicle regenerative energy charge
- UPS battery alternative

● **DLCAP Standard Module**

◆ **Features**

- Voltage balance circuit installed



◆ **Product List**

| Rated Voltage [V] | Capacitance [F] | Size [mm] | | | Internal Resistance [mΩ] | Weight [kg] | Part No. |
|-------------------|-----------------|-----------|----|-----|--------------------------|-------------|------------------|
| | | A | B | C | | | |
| 15 | 58 | 282 | 37 | 98 | 70 | 1.0 | MDLA15R0V058F |
| | 116 | 282 | 37 | 138 | 40 | 1.4 | MDLA15R0V116F |
| | 233 | 318 | 44 | 177 | 17 | 2.4 | MDLC15R0V233F *1 |
| 13.8 | 500 | 377 | 54 | 163 | 44 | 3.3 | MDMB13R8V500F |
| 15 | 400 | 401 | 60 | 162 | 6 | 4.1 | MDSC15R0V400F |

*1 Simple, low cost type is also available for MDLC15R0V233F.

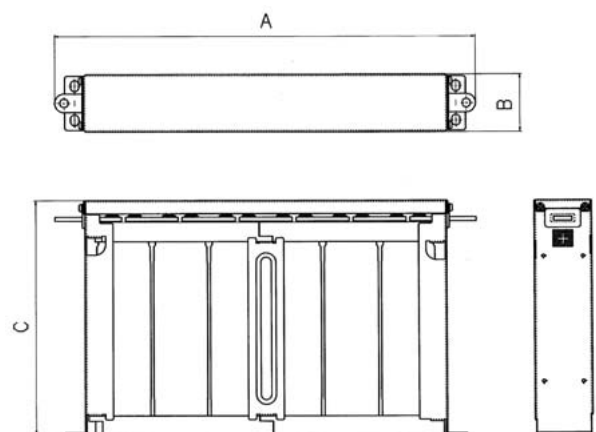
◆ **Environmental Conditions**

| Item | Performance |
|---------------------|---|
| Operation Condition | -25~+60°C (non condensing) |
| Storage Condition | indoor use +5~+35°C humidity 75%RH or less (non condensing) |

● **DLCAP Custom Module Responses**

◆ **Information**

- High voltage application response
- Large volume application response
- High current application response
- Proper balance circuit recommendation
- Uncommon circuit or controlled charge discharge circuit response
- Expected life estimation
- Vibration and impact application response



Standard Module Dimension Outline Drawing

Due to upgrading, this bulletin may change without notice