

Type DSM, Standard Supercapacitor Modules

9V, 18V, and 30V configurations with cable assembly

Type DSM Standard Supercapacitor Modules provide a wide range of capacitance values and voltages to enable simple, rapid implementation into any system. Each module features an insulated construction with integrated cell balancing, cable assembly with a Molex Mini-Lock connector, and 85 °C rated supercapacitor cells.

Highlights

- Standard, stocked modules, great for prototyping.
- Wide operating temperatures compared to Li-batteries
- Voltages up to 30 Vdc, capacitance from 0.15 to 36.6 Farads
- Safe, green alternative to Li-ion batteries
- Each module has voltage balancing
- REACH and RoHS compliant
- UL 810A recognized cells
- Custom designs available

Specifications

Rated Voltage Range	9 Vdc to 30 Vdc
Capacitance Range	0.15F to 36.6F
Capacitance Tolerance	-10% to +30% (Q)
Operating Temperature Range	-40 °C to +65 °C 9V, 18V, 30V
Extended Temperature Range	-40 °C to +85 °C 7.5V, 15V, 25V
Storage Temperature	-40 °C to +70 °C
Lifetime	1,000 hr. life @ 65 °C and Vr
Shelf Life	1000 Hours at 65 °C
Life Cycles	500,000+ cycles



Typical Applications

AGV/Robotics, GPS, UPS Backup, HVAC, Pulse Power, Electric Gates and Doors, Valve Actuator Controls, Ventilation Controls, Prototype Testing

