

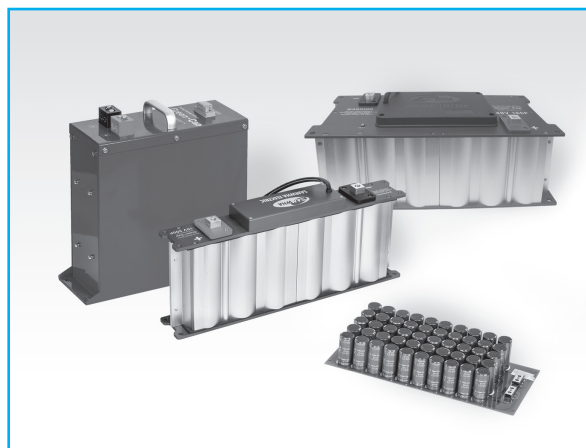
Green-Cap (ELECTRIC DOUBLE LAYER CAPACITORS)

DM Green-Cap Module

- Low internal resistance
- Balancing and overvoltage protection of individual cell
- Efficient heat Transfer to outside

Application

- Next Generation Vehicle(FCEV, HEV) & Heavy Duty Transportation
- Short term UPS and telecommunications
- Portable Power Tool
- Wind Turbine Pitch System
- Electric Scooter
- Heavy Duty Transportation
- Golf Car



● Product & Spec.

Item	Characteristics	
Capacitance tolerance	0% ~ +20%	
Operating temperature range	-40 ~ +65°C or -25 ~ +70°C	
Storage Temperature Range	-40 ~ +70°C	
Temperature characteristics	Capacitance change	Within $\pm 5\%$ of initial value at +20°C
	Internal resistance	Within 150% of initial value at +20°C
Endurance (65°C)	Test time	1500 hours
	Capacitance change	Within $\pm 30\%$ of initial specified value
	Internal resistance	Within 100% of initial specified value
Shelf life (65°C)	After 1500 hours no load test same as endurance	
Life Time at RT ⁽¹⁾	10 years	(1) $I\Delta CI < 30\%$ and $\Delta ESR < 200\%$ of initially specified value, respectively and $LC < \text{specified value}$ (2) Cycle : between rated voltage and half rated voltage under constant current at 25°C
Cycle Life (25°C) ⁽¹⁾⁽²⁾	500,000 cycles	

Part Number	Rated Voltage	Max. Operating Voltage	Capacitance (F)	ESR, 1KHz (mΩ)	ESR, DC (mΩ)	Max. Continuous Current (A)	Max. Peak Current (A)	Stored Energy	Specific Energy	Cell Composition		Dimension(mm)			Weight (kg)
								(Wh)	(Wh/kg)	ITEM	EA	L	W	T	
DM00500015W01002	5	5.4	1.5	110	143	0.2	3.1	0.005	1.47	2.7V 3F	2	23	10	18	0.0034
DM00500025W01002	5	5.4	2.5	53	69	0.3	5.3	0.009	1.80	2.7V 5F	2	23	12	22	0.005
DM01500666W01006	15	16.2	66.6	18	30	20	167	2.43	4.05	2.7V 400F	6	117	81	80	0.6
DM01505000W01006	15	16.2	500	1.7	2.4	150	1705	15.63	2.61	2.7V 3000F	6	417	68	157	6
DM04501111W01018	45	48.6	111.1	5.6	8.1	100	1316	31.25	2.40	2.7V 2000F	18	418	191	121	12
DM04501666W01018	45	48.6	166.6	5.2	6.3	150	1705	46.88	3.13	2.7V 3000F	18	481	191	157	14
DM07500266W01060	75	81	26.6	75	52.5	40	333	20.83	2.60	2.7V 400F	60	372	316	90	8
DM12500600W01050	125	135	60	15	20	150	1705	130.21	2.00	2.7V 3000F	50	1000	350	310	70

Note: Other Green-Cap modules are supplied on custom-made basis. Dimension and Weight could be changed without notice.