

DM Green-Cap Module

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

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



Green-Cap (EDLC)

● Product & Spec.

Item	Characteristics	
Capacitance tolerance	0% ~ +20% at 20°C	
Operating temperature range	-40 ~ 60°C	
Storage Temperature Range	-40 ~ 70°C	
Low temperature characteristics	Capacitance change	Within $\pm 5\%$ of initial value at +20°C
	Internal resistance	Within 150% of initial value at +20°C
Endurance(60°C)	Test time	1000 hours
	Capacitance change	Within $\pm 30\%$ of initial specified value
	Internal resistance	Within 100% of initial specified value
Shelf life (60°C)	After 1000 hours no load test same as endurance	
Life Time at RT ⁽¹⁾	10 years	(1) $\Delta CI < 30\%$ and $\Delta ESR < 200\%$ of initially specified value, respectively and $LC <$ 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	Capacitance (F)	ESR, 1KHz (mΩ)	ESR, DC (mΩ)	Max. Continuous Current (A)	Max. Peak Current (A)	Stored Energy (Wh)	Specific Energy (Wh/kg)	Dimension (mm)			Weight (kg)
									L	W	T	
DM00500015W01002	5	1.5	110	143	0.2	3.1	0.005	1.47	23	10	18	0.0034
DM00500025W01002	5	2.5	53	69	0.3	5.3	0.009	1.80	23	12	22	0.005
DM01500666W01006	15	66.6	18	30	20	167	2.43	4.05	117	81	80	0.6
DM01502883W01006	15	288.3	9	10	85	571	10.33	3.03	205	113	176	5
DM02501700W01010	25	170	15	16	85	571	17.21	2.06	263	108	198	8.2
DM04501666W01018	45	166.6	14.5	18	150	938	54.68	3.90	446	195	198	14
DM10000025W01040	100	2.5	400	520	5	54	4.05	4.70	200	140	52	0.86
DM35000214W01140	350	21.4	112	140	150	938	425.20	2.83	1000	684	230	150

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