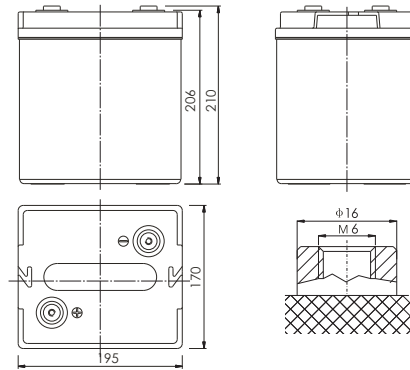


3-FML-100

FML Series
For High Cycle Use



Specifications

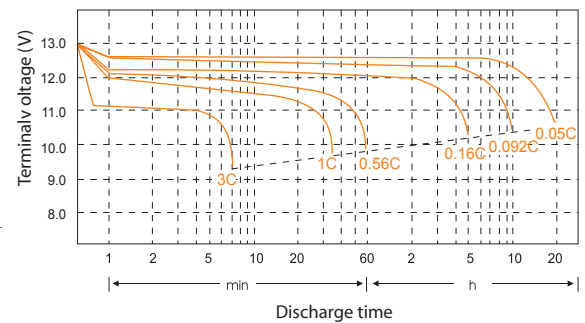
Nominal Voltage		6V
Rated Capacity (20 hour rate)		100Ah
Dimensions	Total Height (with terminals)	8.27inches (210mm)
	Height	8.12inches (206mm)
	length	7.68inches (195mm)
	width	6.69inches (170mm)
Weight		Approx. 35.2pound (16kg)

Characteristics

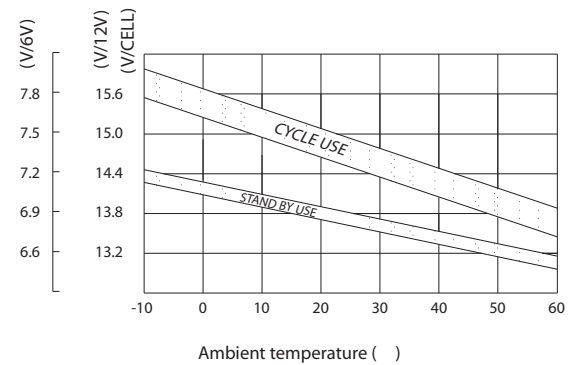
Capacity 77°F (25 °C)	20 hour rate (5.00A)	100 Ah
	10 hour rate (9.20A)	92 Ah
	5 hour rate (16.0A)	80 Ah
	1 hour rate (60.0A)	60 Ah
	15Minute Rate (164A)	41Ah
Internal Resistance	Full charged Battery 77°F (25 °C)	2.3M
	104°F (40 °C)	102%
Capacity affected by Temperature (20hour rate)	77°F (25 °C)	100%
	32°F (0 °C)	85%
	5°F (-15 °C)	65%
Self-Discharge 77°F (25 °C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
Max. Discharge Current 77°F (25 °C)		800A(5S)
Terminal		M2
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 30A
		Voltage 14.4~14.7V / 77°F (25 °C)
	Float	Voltage 13.5~13.8V / 77°F (25 °C)

164.391

Discharge Curves 77°F(25°C)



Relationship between charge voltage and temperature



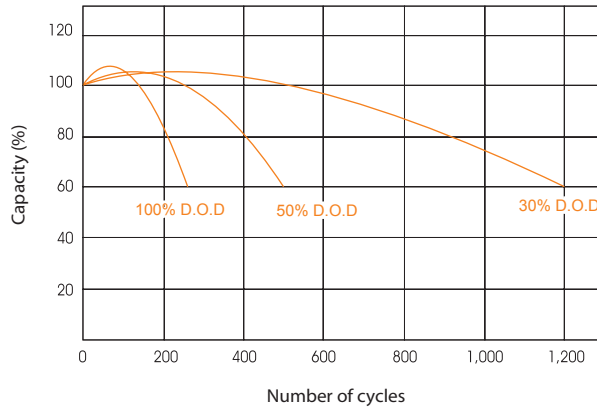
Constant Current Discharge (AMPERES @25°C)

F.V/Time	10Min	15Min	30Min	45Min	1Hour	2Hour	3Hour	5Hour	8Hour	10Hour	12Hour	24Hour
1.65	220	171	103.5	81.3	55.0	38.4	26.49	17.76	12.59	9.95	8.54	4.39
1.70	208	159	88.1	76.8	52.7	37.5	25.38	17.15	12.08	9.73	8.28	4.31
1.80	176	139	79.6	72.6	50.1	35.8	23.95	16.24	11.37	9.34	8.05	4.24

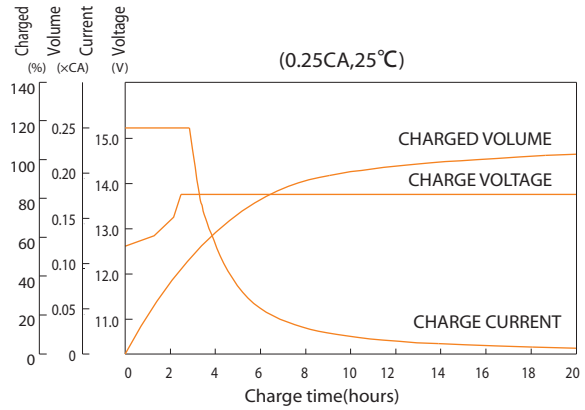
Constant Power Discharge (WATTS PER CELL@25°C)

F.V/Time	10Min	15Min	30Min	45Min	1Hour	2Hour	3Hour	5Hour	8Hour	10Hour	12Hour	24Hour
1.60	400	312	194	150	121	71.1	49.8	32.9	23.2	18.6	15.9	8.23
1.65	395	309	188	148	117	70.1	49.7	32.7	23.1	18.5	15.8	8.22
1.67	392	307	176	146	116	69.8	49.3	32.4	23.0	18.5	15.7	8.21
1.70	385	295	164	144	113	69.4	48.4	32.1	22.6	18.4	15.6	8.19
1.75	351	278	158	143	110	68.9	47.1	31.5	22.0	18.3	15.5	8.18
1.80	335	268	153	140	109	67.6	46.8	31.0	21.7	18.0	15.4	8.16
1.85	277	234	143	129	106	65.2	45.7	29.9	20.4	17.2	14.6	7.73

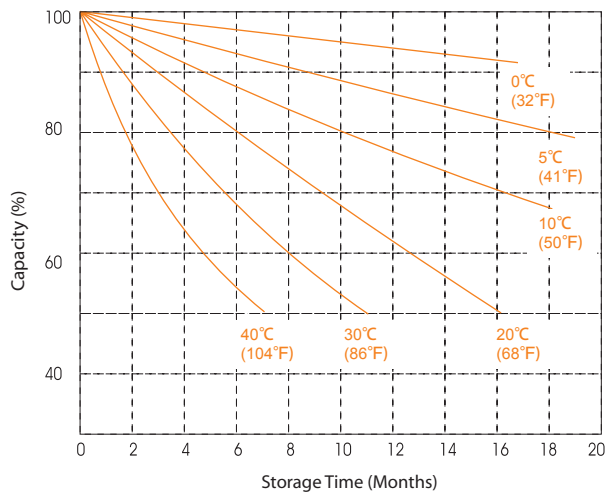
Cycle service life in relation to depth of discharge



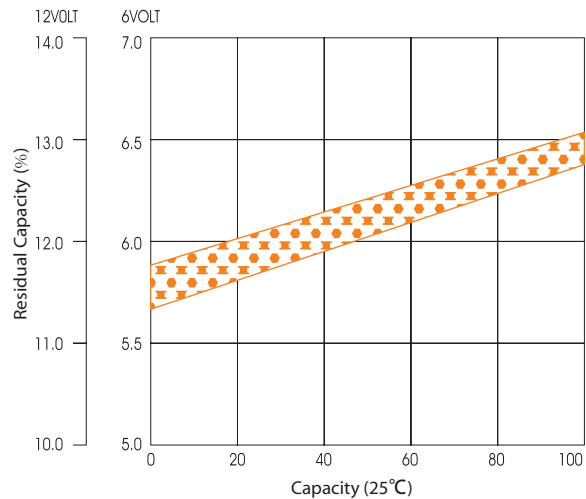
Constant voltage charge characteristic



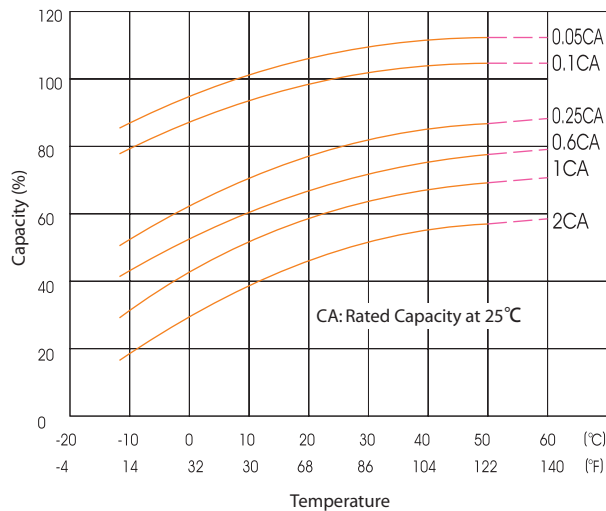
Self-Discharge Characteristics



Relationship of OCV and Residual Capacity % (25°C)



Temperature effects on capacity



Temperature effects float life

