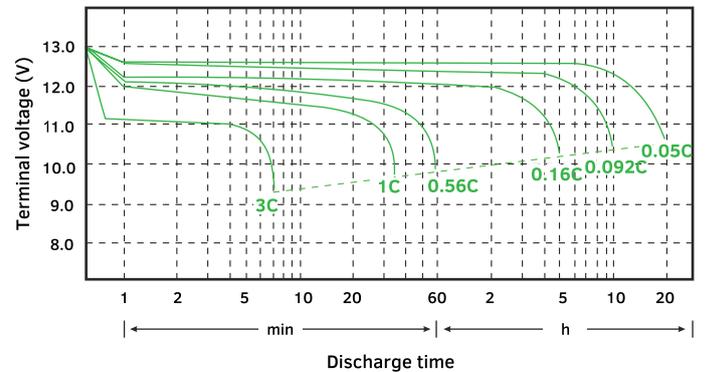


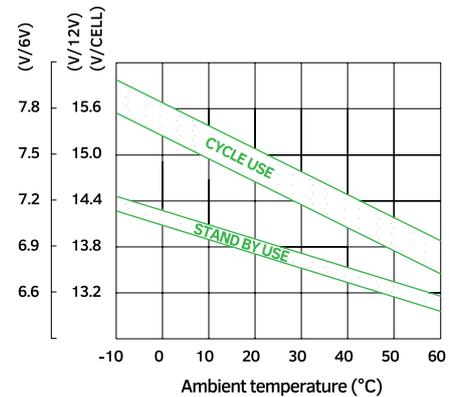
SPECIFICATIONS		
Nominal Voltage	12V	
Rated Capacity (20 hour rate)	65Ah	
Dimensions	Total Height (with terminals)	6.97inches (177mm)
	Height	6.97inches (177mm)
	Length	13.8inches (350mm)
	Width	6.57inches (167mm)
Weight	Approx. 44.0pound (20.0kg)	

Discharge Curves 77°F (25°C)



CHARACTERISTICS		
Capacity 77°F (25°C)	20 hour rate (3.25A)	65.0Ah
	10 hour rate (5.98A)	59.8Ah
	5 hour rate (10.4A)	52.0Ah
	1 hour rate (39.0A)	39.0Ah
	15 minute rate (107A)	26.8Ah
Internal Resistance	Full charged Battery 77°F (25°C)	7.5mΩ
Capacity affected by Temperature (20 hour rate)	104°F (40°C)	102%
	77°F (25°C)	100%
	32°F (0°C)	85%
	5°F (-15°C)	65%
Self-Discharge 77°F (20°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)	650A(5S)	
Terminal	M2	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 19.5A Voltage 14.4~14.7V/77°F (25°C)
	Float	Voltage 13.5~13.8V/77°F (25°C)

Relationship between charge voltage and temperature

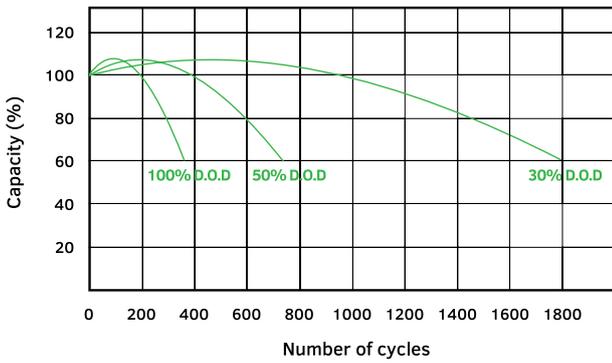


CONSTANT CURRENT DISCHARGE (amperes @25°C)											
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	146	107	70.9	41.6	24.5	16.8	13.2	11.4	7.73	6.48	3.39
1.65	140	103	68.2	40.0	23.6	16.6	13.1	11.3	7.65	6.42	3.36
1.70	133	101	64.8	39.2	23.2	16.3	12.8	10.9	7.43	6.26	3.34
1.75	116	91.9	56.2	39.0	22.5	15.9	12.4	10.4	7.34	5.98	3.25
1.80	112	88.4	54.0	37.5	21.6	15.3	11.9	10.0	7.06	5.75	3.13
1.85	91.8	76.9	49.7	34.5	20.7	14.5	11.3	9.50	6.71	5.46	2.97

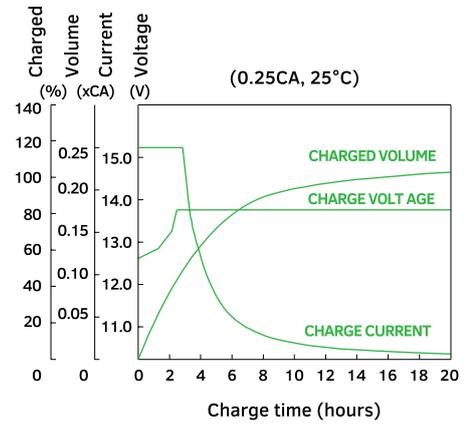
CONSTANT POWER DISCHARGE (watts per cell @25°C)											
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	254	194	127	77.2	45.3	31.8	25.0	20.9	14.2	11.8	6.42
1.65	251	192	124	76.4	44.7	31.5	24.8	20.7	14.1	11.6	6.40
1.70	246	187	121	75.0	43.6	31.2	24.5	20.3	13.9	11.3	6.35
1.75	230	182	111	74.8	43.1	30.8	24.2	20.1	13.8	11.2	6.32
1.80	214	170	104	74.4	42.4	30.1	23.8	20.0	13.5	11.0	6.30
1.85	177	149	96.0	69.2	41.4	29.7	23.2	19.1	13.0	10.9	5.94

The operating environment temperature above 40°C should be avoided, after long term storage, the battery actual capacity would be less than the rated capacity. Full capacity will be obtained through several charge/discharge cycles. To get the longest life, the battery should be fully charged before storage.

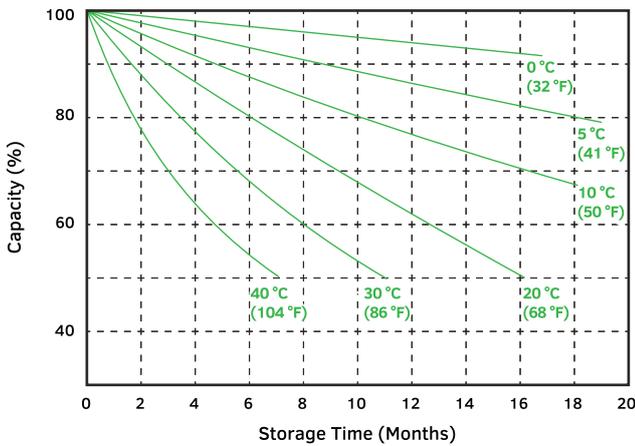
Cycle service life in relation to depth of discharge



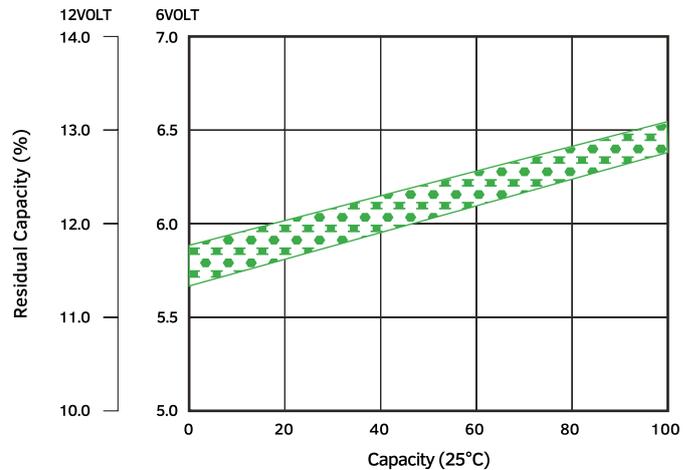
Constant voltage charge characteristic



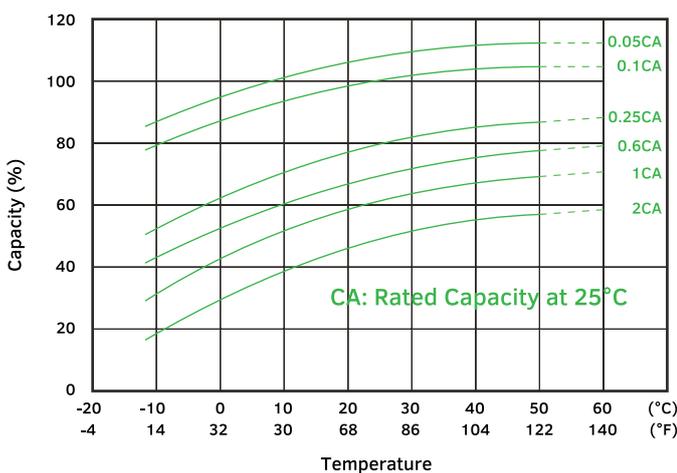
Self-Discharge characteristic



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



Temperature effects on capacity



Temperature effects on float life

