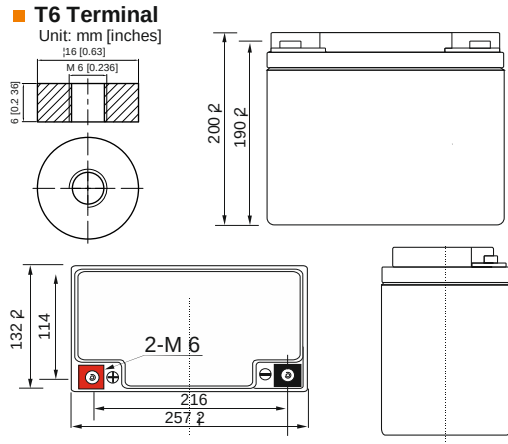
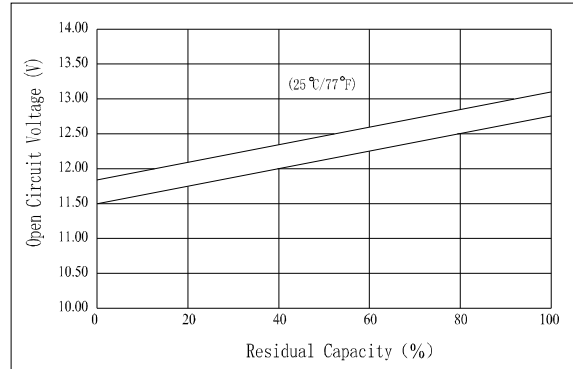


**Dimensions**



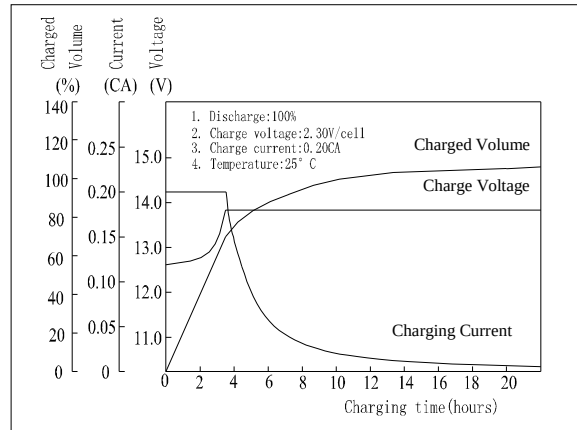
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



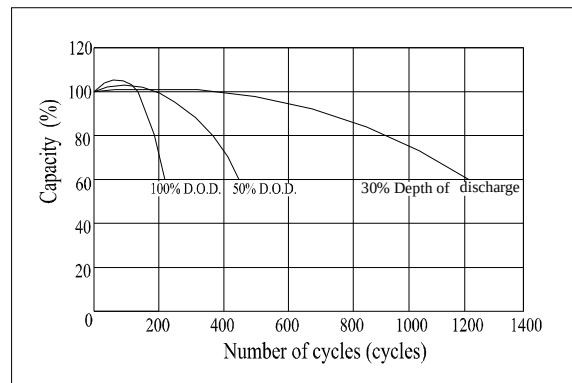
**Specifications**

Nominal Voltage		12V
Capacity (20hr@25°C@1.8V/C)		52Ah
Dimensions	Length	257mm (10.11inch)
	Width	132mm (5.19inch)
	Height	200mm (7.87inch)
	Total Height	200mm (7.87inch)
Approx. Weight		16.0kg (35.3lbs)
Maximum charging current		15.0A
Maximum discharge current		600A (5sec.)
Internal resistance (Fully charged, 25°C)		Approx. 8mΩ
Capacity affected by temperature (10hr)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ±3°C (77°F±5°F)
Operating temperature range		-15°C ~ 50°C (5°F ~ 122°F)
Float charging voltage (25°C)		13.65 to 13.80V
Cyclic charging voltage (25°C)		14.50 to 14.90V
Terminal material		Copper

**Charging Characteristics (25°C)**



**Cycle Life (25°C)**



**Constant Current Discharge Characteristics (Ampere / Battery, 25°C)**

F.V/TIME	5min	10min	15min	30min	1h	3h	5h	10h	20h
9.60V	173,5	120,6	91,7	54,0	30,5	14,4	9,38	5,26	2,73
10.2V	142,6	103,0	80,6	48,5	28,5	13,4	8,83	5,10	2,68
10.8V	114,9	86,0	69,1	44,9	26,4	12,8	8,40	5,00	2,60

**Constant Power Discharge Characteristics (Watt / Battery, 25°C)**

F.V/TIME	5min	10min	15min	30min	1h	3h	5h	10h	20h
9.60V	1725	1230	962,4	591	343,8	164,4	108,6	61,8	32,22
10.2V	1473	1084,2	867	538,8	325,2	154,8	102,6	60,6	31,68
10.8V	1246,8	941,4	763,8	505,2	304,2	148,8	98,4	59,28	30,84