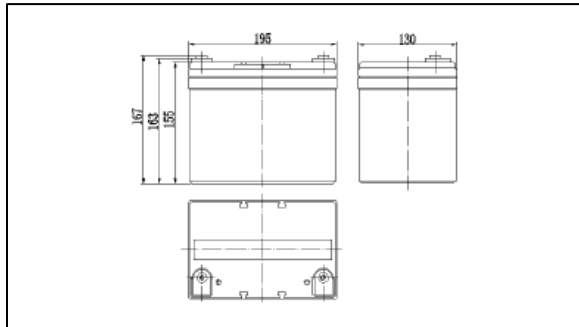


### Specifications

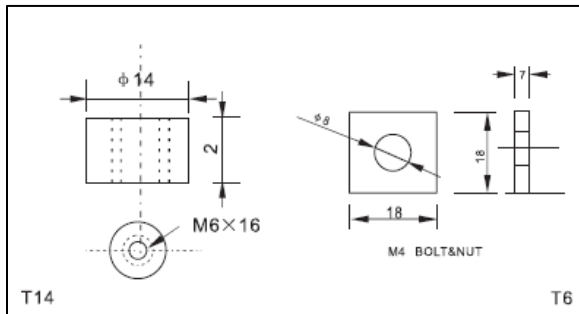
Nominal Voltage	12V
Rated Capacity (20-hour rate)	35Ah
Dimensions	
Length	195±2mm (7.68inch)
Width	130±2mm (5.12inch)
Height	155±2mm (6.10inch)
Total Height	180±2mm (7.09inch)
Approximate Weight	10.2kg (22.44lbs)±4%



### Outer Dimensions



### Terminal Type



### Characteristics

Capacity (25°C)	
20HR (10.5V)	35Ah
10HR (10.5V)	24Ah
1HR (9.60V)	19Ah
Terminal Type	Nut & Bolt
Internal Resistance	Approx. 11m Ω
Capacity affected by temperature (20HR)	
40°C	102%
25°C	100%
0°C	85%
-15°C	65%
Self-Discharge (25°C)	
3 months	Remaining Capacity: 91%
6 months	Remaining Capacity: 82%
12 months	Remaining Capacity: 65%
Nominal operating temperature	25°C±3°C (77°F±5°F)
Operating Temperature range	
Discharge	-15°C~50°C (5°F~122°F)
Charge	-10°C~50°C (14°F~122°F)
Storage	-20°C~50°C (-4°F~122°F)
Float charging voltage (25°C)	13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage (25°C)	14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current	10.5A
Maximum discharge current	330A (5 sec.)
Designed Floating Life (20°C)	5 years

### Construction

Component	Positive Plate	Negative Plate	Container	Cover	Separator	Electrolyte	Safety Valve	Terminal
Raw Material	Lead Dioxide	Lead	ABS	ABS	AGM	Sulfuric Acid	Rubber	Copper/Lead

### Constant Current Discharge Characteristics

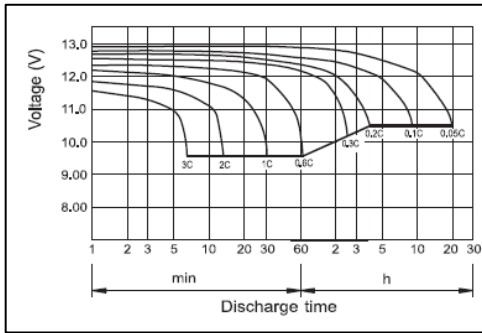
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	75.5	58.2	34.9	21.1	12.7	9.11	7.28	6.22	4.27	3.53	1.87
9.90V	73.3	56.8	34.1	21.1	12.6	9.10	7.23	6.18	4.25	3.52	1.87
10.2V	70.2	54.7	33.1	20.6	12.5	9.06	7.20	6.14	4.22	3.51	1.86
10.5V	67.2	52.8	32.2	20.1	12.3	8.94	7.14	6.10	4.19	3.49	1.85
10.8V	63.4	50.1	31.1	19.3	12.0	8.67	6.92	5.91	4.06	3.47	1.84

### Constant Power Discharge Characteristics

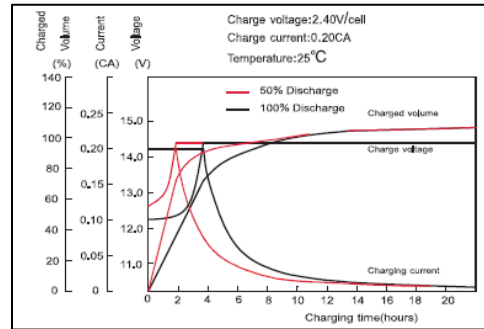
F.V/Time	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	816	640	391	244	147	107	85.6	73.5	50.8	42.0	23.2
9.90V	792	624	383	241	146	107	85.2	73.1	50.5	42.0	22.5
10.2V	759	601	372	234	145	106	84.5	72.6	50.2	42.0	22.4
10.5V	726	581	362	227	143	105	83.9	72.1	49.8	41.7	22.2
10.8V	686	550	349	220	139	102	81.4	71.7	48.3	41.4	21.3

\*Note: The above characteristics data can be obtained within three charge or discharge cycles.

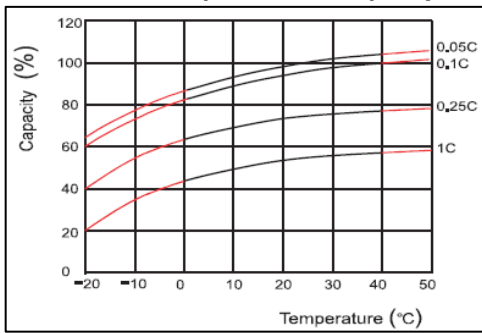
### Discharge Characteristics



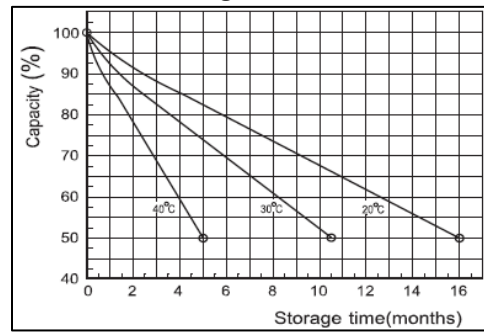
### Charging Characteristics



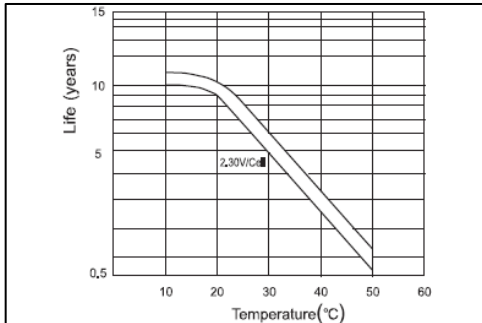
### Effect of Temperature on Capacity



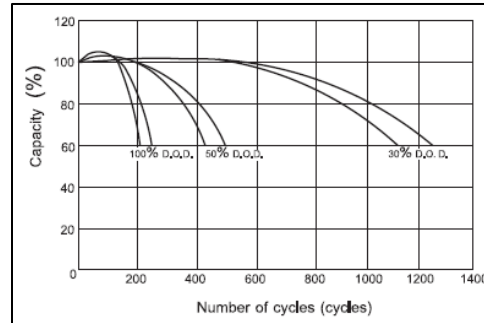
### Self-discharge Characteristics



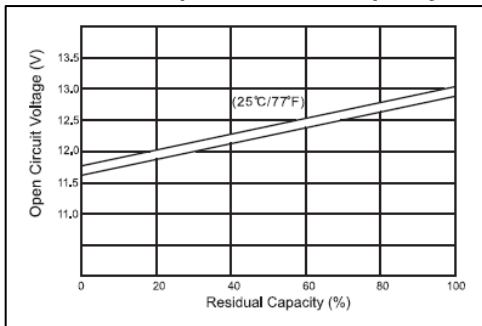
### Floating Life on Temperature



### Cycle Life on D.O.D



### Relationship for OCV and Capacity



### Relationship for Charging voltage and Temperature

