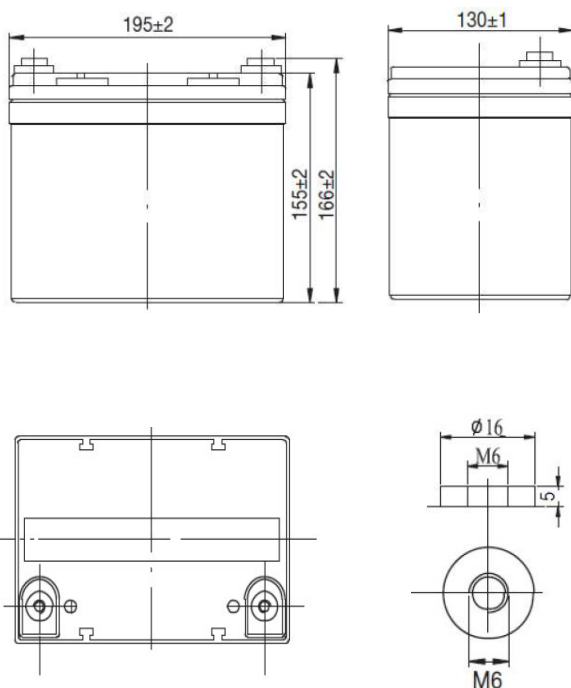


APPLICATIONS

- Solar / Wind power systems
- Residential installations
- Golf carts and electric powered vehicles
- Marine equipment
- Electric wheelchairs
- Traffic systems (signaling and lighting)
- Remote monitoring and controlling
- Power tools and cleaning machines
- Uninterruptible power supply (UPS)



SPECIFICATIONS

Nominal Voltage	12 V	
Number of cells	6	
Cycle life	Approx. 800 cycles at 50% DOD	
Dimensions	Length	195 mm
	Width	130 mm
	Height	155 mm
	Total Height	166 mm
Weight	9.50 kg	
Nominal Capacity (25°C)	120 hours rate (1.85)	36.0 Ah
	100 hours rate (1.85)	35.0 Ah
	48 hours rate (1.80)	36.5 Ah
	10 hours rate (1.80)	33.4 Ah
Internal Resistance (fully charged, 25°C)	11.0 mOhm	
Self Discharge	approx. 3% per month at 25°C	
Nominal Operating Temperature	25°C	
Operating Temperature range	Discharge	-15°C to 45°C
	Charge	0°C to 40°C
	Storage	-15°C to 40°C
Float Charging Voltage	2.27 to 2.30 V/cell at 25°C	
Temperature compensation	-20mV/°C	
Cyclic Charging Voltage	2.40 to 2.47 V/cell at 25°C	
Temperature compensation	-30mV/°C	
Maximum charging current	10.5 A	
Maximum discharge current (25°C)	300 A (5 sec.)	
Short Circuit Current (25°C)	450 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

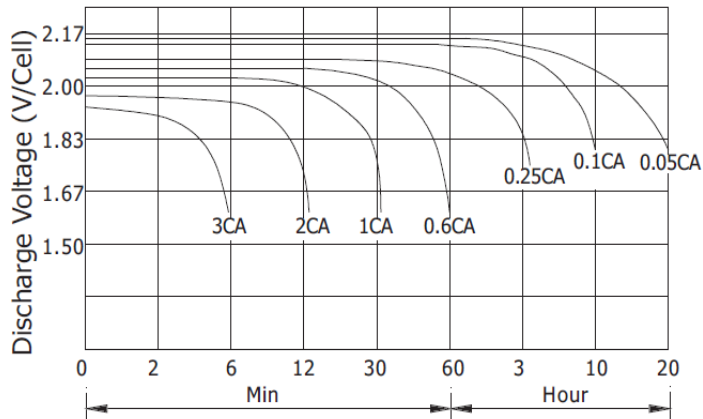
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
1.60V	55.7	33.7	20.8	12.1	8.51	6.98	5.98	5.18	4.07	3.41	1.78	----	----	----	----
1.65V	54.4	33.1	20.6	12.1	8.47	6.94	5.90	5.11	4.07	3.41	1.78	----	----	----	----
1.70V	52.4	32.0	20.0	12.0	8.41	6.87	5.87	5.11	4.03	3.37	1.78	0.78	----	----	----
1.75V	50.3	31.2	19.6	11.8	8.34	6.84	5.84	5.08	4.00	3.37	1.77	0.77	0.53	----	----
1.80V	47.7	30.1	19.0	11.5	8.11	6.64	5.67	4.90	3.87	3.34	1.75	0.76	0.52	----	----
1.85V	45.1	28.5	18.0	10.9	7.68	6.27	5.36	4.65	3.64	3.13	1.62	0.72	0.49	0.35	0.30

Discharge Constant Power at 25°C (Watts/Cell)

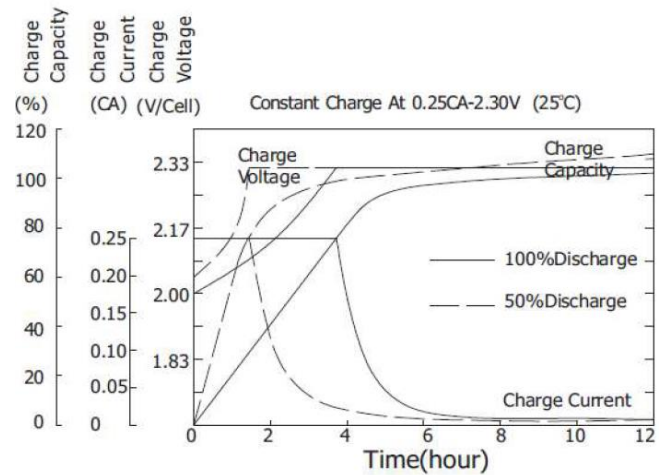
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
1.60V	102	62.6	39.6	23.4	16.5	13.5	11.7	10.1	8.06	6.71	3.55	----	----	----	----
1.65V	99.3	61.4	39.1	23.3	16.5	13.5	11.6	10.0	8.06	6.71	3.55	----	----	----	----
1.70V	95.8	59.7	38.1	23.1	16.4	13.4	11.5	10.0	7.99	6.66	3.55	1.54	----	----	----
1.75V	92.4	58.4	37.4	22.8	16.3	13.3	11.4	9.90	7.94	6.66	3.53	1.53	1.04	----	----
1.80V	87.5	56.3	36.3	22.3	15.8	13.0	11.2	9.68	7.65	6.61	3.50	1.52	1.03	----	----
1.85V	83.0	53.5	34.4	21.1	15.0	12.3	10.6	9.18	7.25	6.27	3.31	1.44	0.98	0.71	0.60

Note: The above characteristics data can be obtained within three charge/discharge cycles.

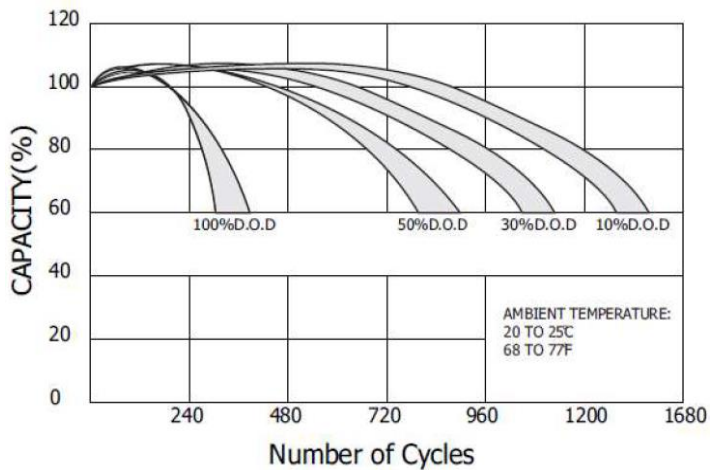
Discharge Characteristics (25°C)



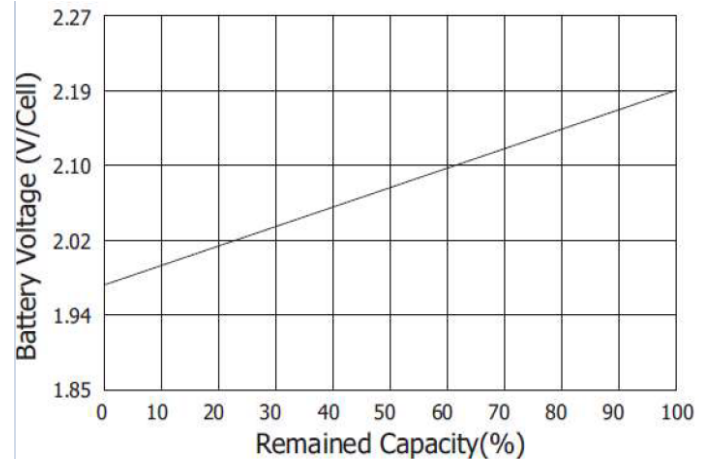
Charging Characteristics (25°C)



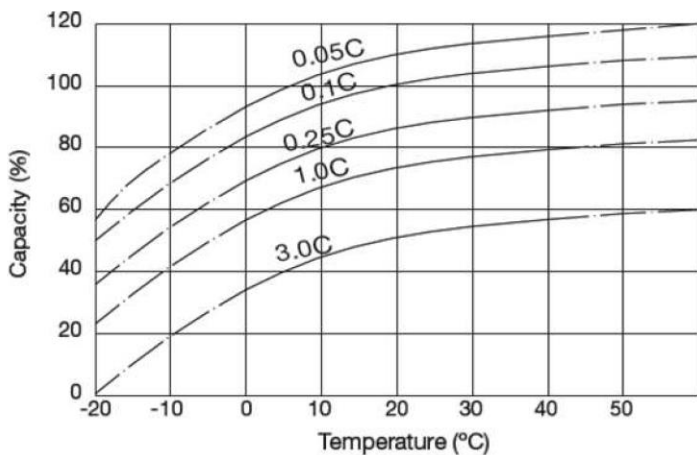
Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (25°C)



Temperature Effects on Capacity



Self Discharge characteristics

