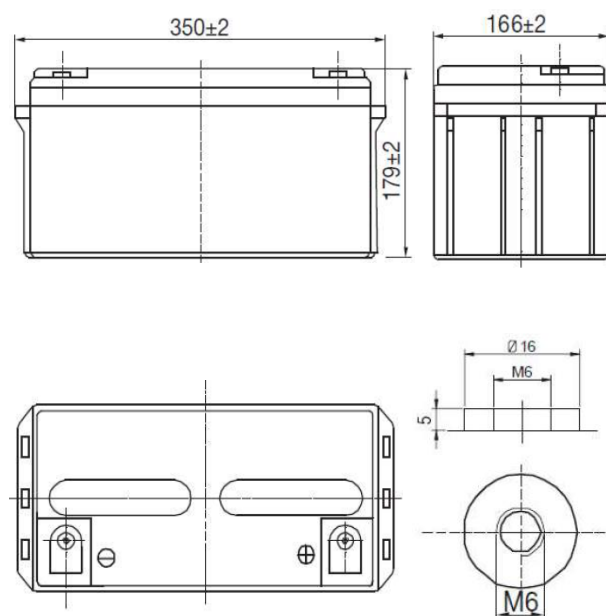


APPLICATIONS

- 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	350 mm
	Width	166 mm
	Height	179 mm
	Total Height	179 mm
Weight	20.4 kg	
Nominal Capacity (25°C)	120 hours rate (1.85)	79.2 Ah
	100 hours rate (1.85)	74.0 Ah
	48 hours rate (1.80)	75.8 Ah
	10 hours rate (1.80)	65.7 Ah
Internal Resistance (fully charged, 25°C)	6.00 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	-18mV/°C	
Cyclic Charging Voltage	2.40 to 2.47 V/cell at 25°C	
Temperature compensation	-30mV/°C	
Maximum charging current	20.0 A	
Maximum discharge current (25°C)	700 A (5 sec.)	
Short Circuit Current (25°C)	1050 A	

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

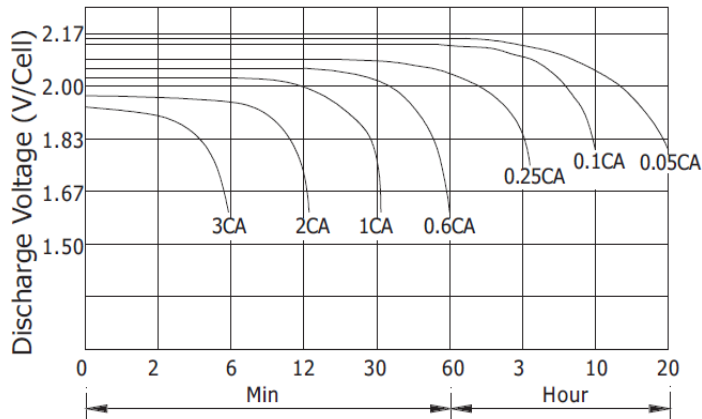
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
1.60V	110	66.3	41.0	23.9	16.7	13.7	11.7	10.2	8.01	6.70	3.50	----	----	----	----
1.65V	107	65.0	40.5	23.8	16.6	13.6	11.6	10.0	8.01	6.70	3.49	----	----	----	----
1.70V	103	63.0	39.5	23.6	16.5	13.5	11.5	10.0	7.95	6.64	3.49	1.60	----	----	----
1.75V	99.1	61.3	38.6	23.3	16.4	13.4	11.5	9.97	7.88	6.64	3.47	1.59	1.08	----	----
1.80V	93.8	59.1	37.4	22.7	15.9	13.0	11.2	9.65	7.62	6.57	3.44	1.58	1.08	----	----
1.85V	92.0	58.0	35.1	22.8	16.1	13.0	11.4	9.70	7.82	6.51	3.36	1.54	1.05	0.74	0.66

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

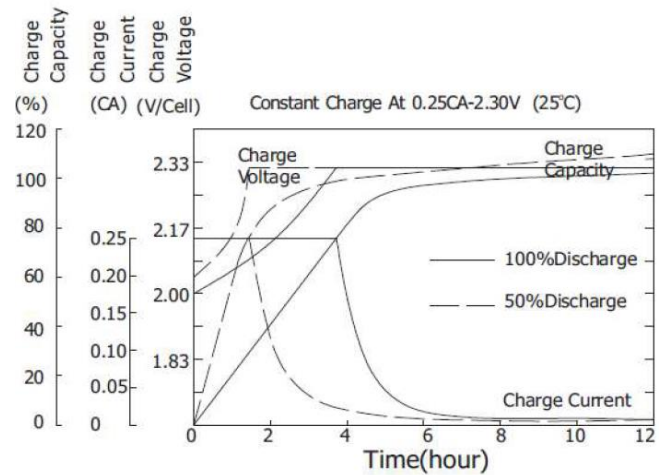
End Voltage (V/cell)	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
1.60V	200	123	77.7	45.9	32.5	26.6	23.0	19.8	15.9	13.2	7.00	----	----	----	----
1.65V	195	121	76.7	45.7	32.3	26.4	22.7	19.7	15.9	13.2	6.99	----	----	----	----
1.70V	188	117	75.0	45.4	32.1	26.2	22.7	19.7	15.8	13.1	6.99	3.20	----	----	----
1.75V	182	115	73.5	44.9	32.0	26.1	22.4	19.5	15.7	13.1	6.95	3.18	2.18	----	----
1.80V	172	111	71.3	43.7	31.1	25.6	22.0	19.0	15.1	13.0	6.90	3.16	2.17	----	----
1.85V	168	108	66.8	42.2	29.9	24.9	21.5	18.3	14.7	12.8	6.85	3.11	2.14	1.50	1.34

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

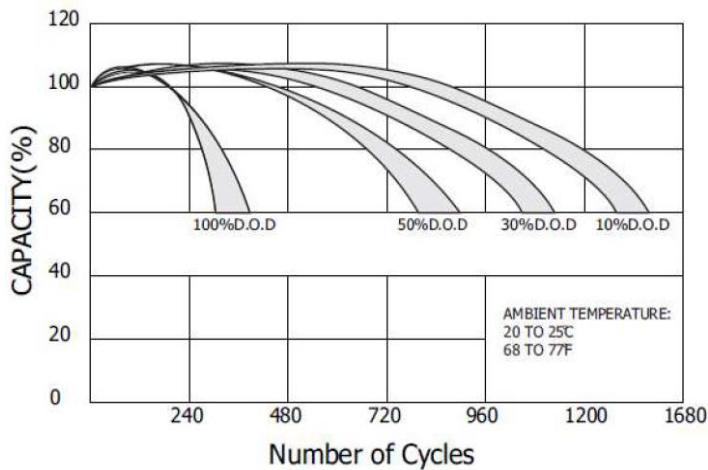
Discharge Characteristics (25°C)



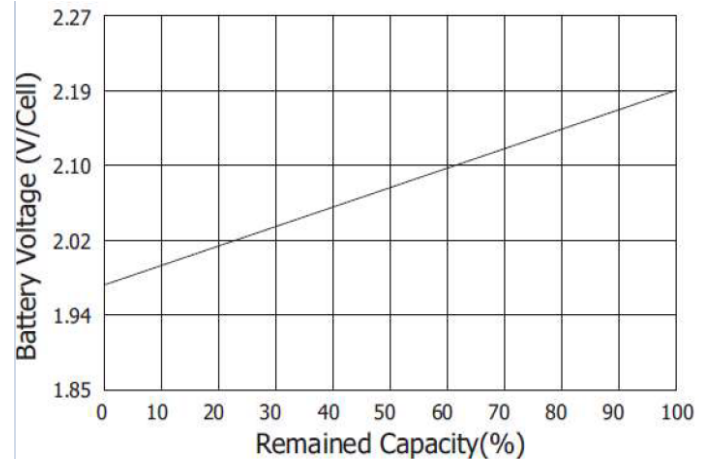
Charging Characteristics (25°C)



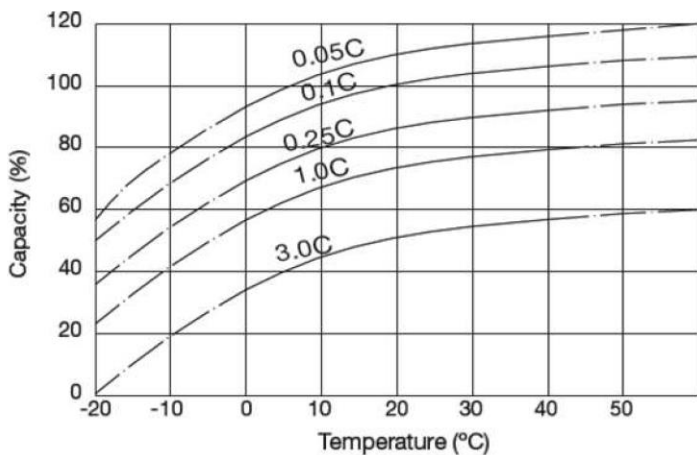
Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (25°C)



Temperature Effects on Capacity



Self Discharge characteristics

