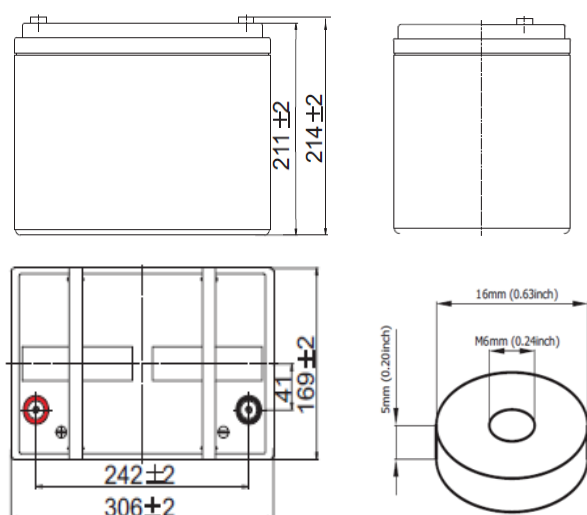


APPLICATIONS

- IT systems
- UPS
- Data centers
- Power generation plants and substations
- Telecommunication electrical equipments
- Switchboards
- Robots, control and other factory automation equipment
- Broadcasting systems
- Various telemeter equipments
- Signaling



SPECIFICATIONS

Nominal Voltage		12 V
Number of cells		6
Design Floating Life (20°C)		10 years
Dimensions	Length	306 mm
	Width	169 mm
	Height	211 mm
	Total Height	214 mm
Weight		28 kg
Watts (10 min @ 1.60 Vpc, 25°C)		445 W/Cell
Watts (10 min @ 1.67 Vpc, 25°C)		427 W/Cell
Capacity (10 hrs @ 1.80 Vpc, 25°C)		92.6 Ah
Short Circuit Current		1400 A
Internal Resistance (fully charged, 25°C)		4 mOhm
Self Discharge		approx. 3% per month at 20°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
Maximum charging current		28.5 A
Maximum discharge current (25°C)		900A (5 sec.)

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

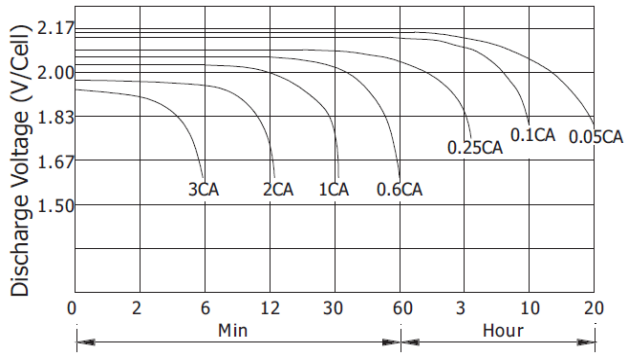
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	363	255	203	158	135	107	79.0	64.5	35.9	28.5	18.5	12.0	9.64	5.74
1.65 V	342	250	202	151	130	105	77.5	63.4	35.6	27.9	18.3	11.8	9.55	5.63
1.67 V	339	242	201	147	128	104	76.6	62.8	35.5	27.7	18.1	11.7	9.53	5.52
1.70 V	330	241	197	142	125	102	75.1	61.9	35.3	27.4	17.9	11.6	9.51	5.36
1.75 V	321	232	185	137	121	99.5	73.3	60.6	35.0	26.9	17.5	11.3	9.38	5.25
1.80 V	305	218	173	131	116	95.9	70.5	58.8	34.4	26.3	17.1	11.1	9.26	5.09

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

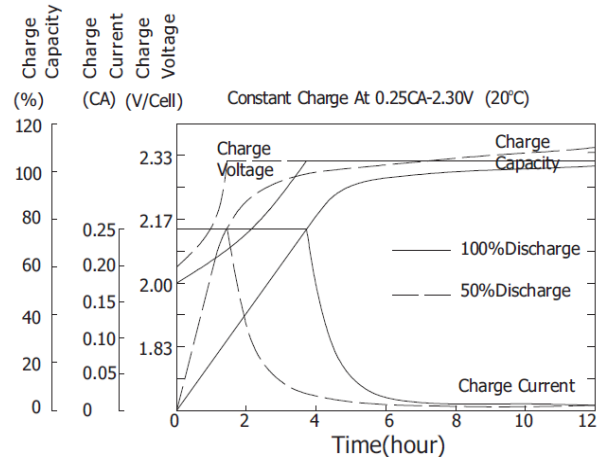
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	632	445	379	300	263	212	153	125	69.9	55.7	36.5	24.7	20.3	12.2
1.65 V	623	430	375	289	254	205	149	122	68.8	55.2	36.0	24.4	20.2	12.0
1.67 V	614	427	369	282	249	202	148	121	68.6	54.9	35.9	24.3	20.1	11.7
1.70 V	601	419	361	275	243	197	144	119	67.9	54.4	35.7	24.1	20.0	11.3
1.75 V	565	410	356	266	236	192	141	117	67.1	53.7	35.1	23.8	19.7	11.0
1.80 V	524	385	341	252	225	185	136	114	65.4	52.8	34.6	23.3	19.5	10.7

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

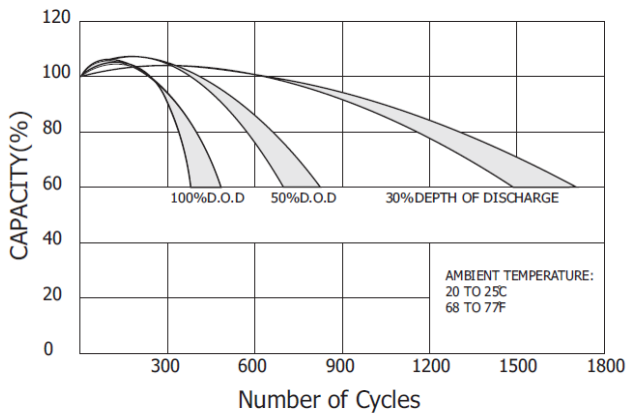
Discharge Characteristics (20°C)



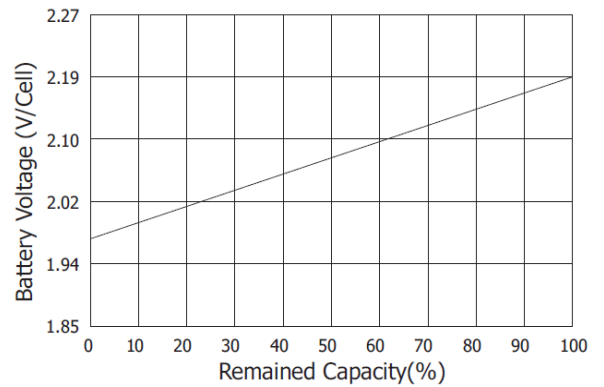
Charging Characteristic (20°C)



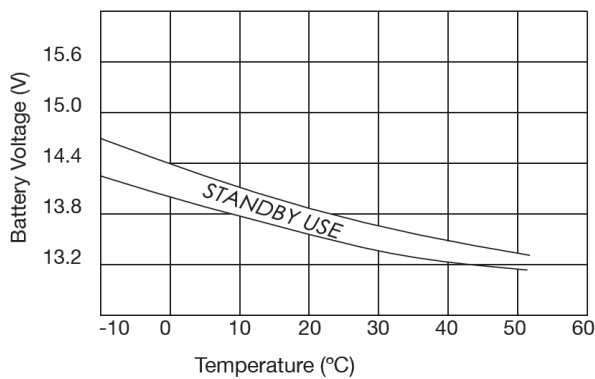
Cycle Service Life in Relation to Depth of Discharge



Relationship Between OCV and Residual Capacity (20°C)



Relationship Between Charging Voltage and Temperature



Self Discharge Characteristics

