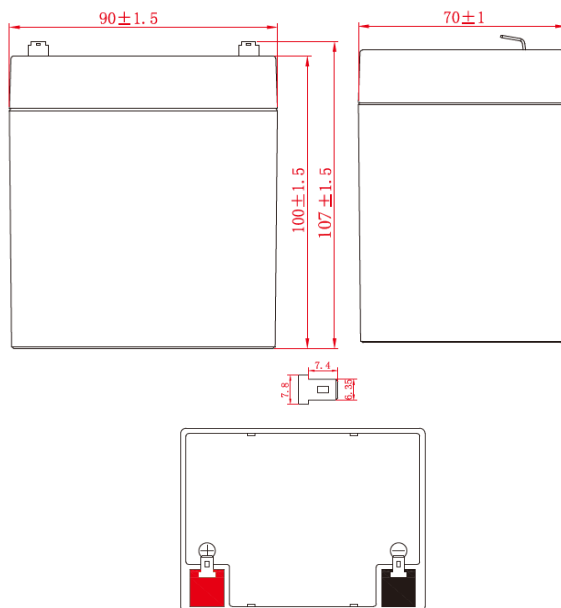


APPLICATIONS

- 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 Life (20°C) (EUROBAT Classification)		10-12 years
Dimensions	Length	90 mm
	Width	70 mm
	Height	100 mm
	Total Height	107 mm
Weight		1.85 kg
Watts (10 min @ 1.60 Vpc, 25°C)		35.6 W/Cell
Watts (10 min @ 1.67 Vpc, 25°C)		33.6 W/Cell
Capacity (10 hrs @ 1.80 Vpc, 25°C)		5.6 Ah
Short Circuit Current		105 A
Internal Resistance (fully charged, 25°C)		33 mOhm
Self Discharge		approx. 3% per month at 20°C
Nominal Operating Temperature		25°C
Operating Temperature range	Discharge	-15°C to 50°C
	Charge	-15°C to 40°C
	Storage	-15°C to 40°C
Float Charging Voltage		2.25 to 2.30 V/cell at 25°C
Temperature compensation		-18mV/°C
Maximum charging current		1.8 A
Maximum discharge current (25°C)		90 A (5 sec.)

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

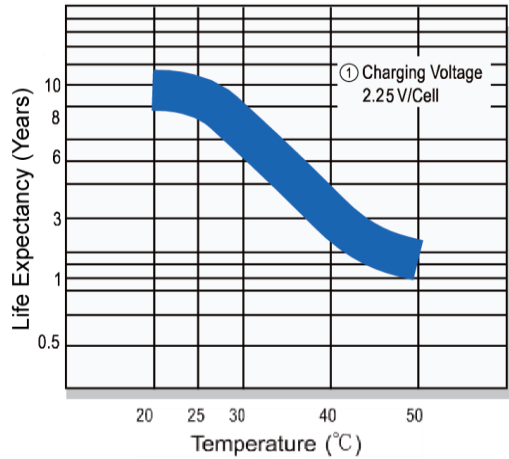
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	29.4	17.7	14.5	11.2	9.53	7.54	5.27	4.05	2.27	1.70	1.10	0.72	0.58	0.35
1.65 V	27.5	16.7	13.6	10.6	9.04	7.30	5.14	3.99	2.22	1.64	1.07	0.71	0.58	0.34
1.67 V	27.0	16.5	13.5	10.5	9.01	7.21	5.07	3.95	2.20	1.63	1.05	0.70	0.57	0.33
1.70 V	26.4	16.1	13.2	10.3	8.81	7.01	4.97	3.89	2.17	1.61	1.05	0.70	0.57	0.32
1.75 V	25.2	15.4	12.5	9.78	8.48	6.87	4.86	3.81	2.12	1.57	1.03	0.69	0.57	0.32
1.80 V	23.8	14.5	11.8	9.32	8.08	6.55	4.67	3.71	2.04	1.53	1.00	0.68	0.56	0.31

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

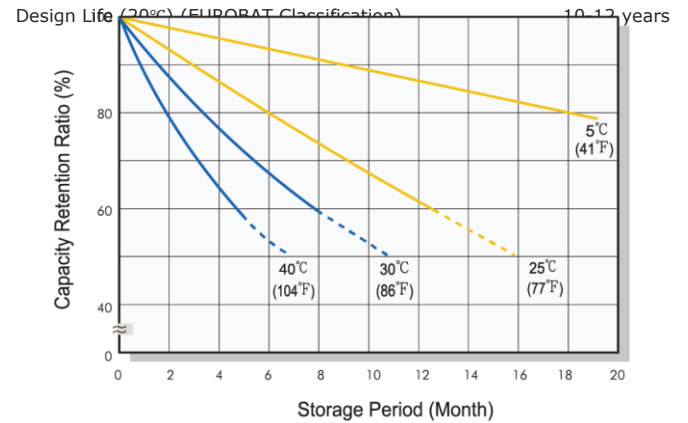
End Voltage (V/cell)	5min	10min	15min	20min	25min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60 V	56.4	35.6	26.9	22.2	19.8	16.1	11.6	9.13	4.42	3.27	2.12	1.43	1.17	0.69
1.65 V	55.7	34.2	26.4	22.0	19.7	16.0	11.5	9.03	4.33	3.16	2.09	1.41	1.16	0.68
1.67 V	54.5	33.6	25.9	21.8	19.5	16.0	11.5	8.99	4.28	3.15	2.07	1.40	1.15	0.67
1.70 V	54.2	32.3	25.6	21.6	19.3	15.8	11.4	8.92	4.22	3.13	2.05	1.38	1.14	0.65
1.75 V	51.4	31.5	25.4	20.9	18.8	15.4	11.1	8.73	4.11	3.05	2.01	1.36	1.13	0.63
1.80 V	47.3	29.4	24.2	20.1	18.0	14.9	10.8	8.48	4.00	2.98	1.97	1.34	1.12	0.61

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

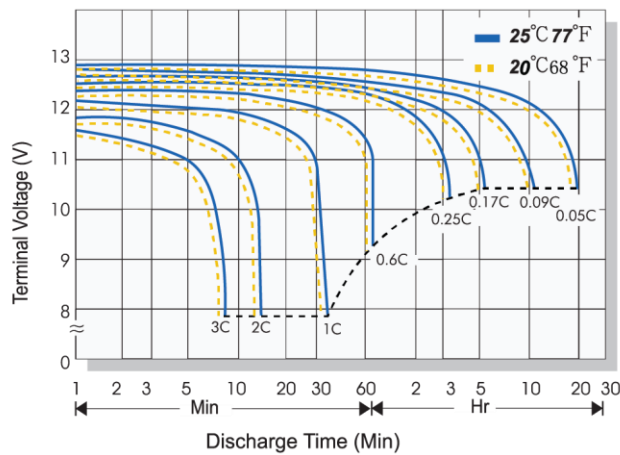
Temperature Effects on Float Life



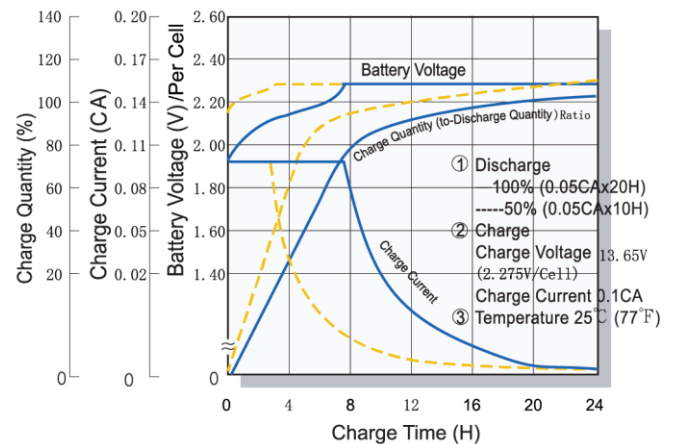
Self Discharge Characteristics



Discharge Characteristics (25°C)



Charging Characteristics (25°C)



Cycle Service Life in Relation to Depth of Discharge

