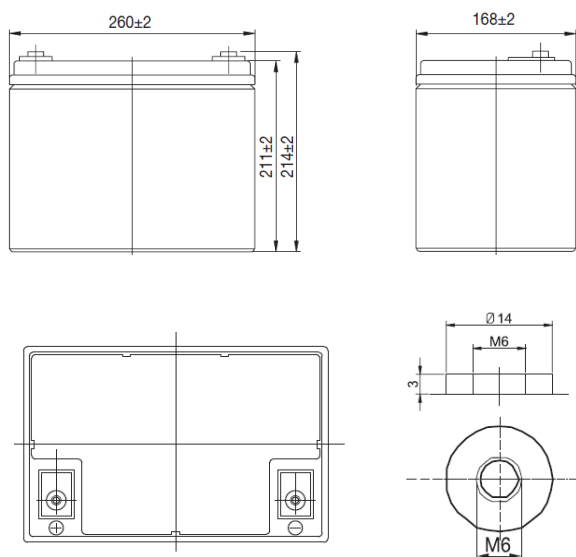


APPLICATIONS

- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency backup power supplies
- Electronic apparatus and equipment
- Communication power supplies
- DC power supplies
- Auto control system



SPECIFICATIONS

Nominal Voltage		12 V
Number of cells		6
Design Floating Life (20°C)		12 years
Dimensions	Length	260 mm
	Width	168 mm
	Height	211 mm
	Total Height	214 mm
Weight		24.0 kg
Nominal Capacity (25°C)	20 hours rate (1.80)	75.6 Ah
	10 hours rate (1.80)	75.0 Ah
	5 hours rate (1.75)	63.0 Ah
	1 hour rate (1.70)	42.9 Ah
Internal Resistance (fully charged, 25°C)		6.5 mOhm
Self Discharge		approx. 3% per month at 25°C
Nominal Operating Temperature		25°C
Operating Temperature range	Discharge	-15°C to 50°C
	Charge	-10°C to 50°C
	Storage	-20°C to 50°C
Float Charging Voltage		2.25 to 2.30 V/cell at 25°C
Temperature compensation		-18mV/°C
Boost Charging Voltage		2.40 to 2.45 V/cell at 25°C
Temperature compensation		-30mV/°C
Maximum charging current		22.5 A
Maximum discharge current (25°C)		750 A (5 sec.)
Short Circuit Current (25°C)		2020 A

Battery Construction

Component	Positive Plate	Negative Plate	Container & Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

PERFORMANCE DATA

Discharge Constant Current at 25°C (Amperes)

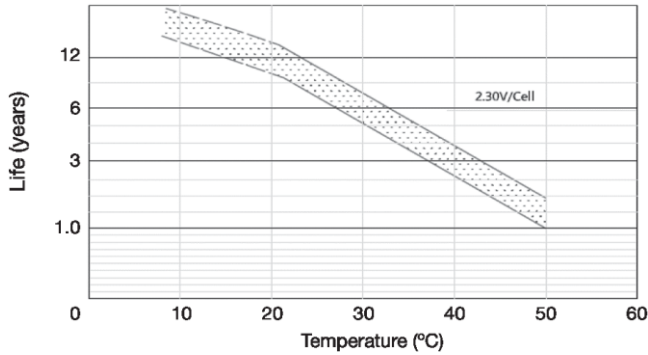
End Voltage (V/cell)	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	147	116	70.6	44.6	26.3	18.4	15.1	12.9	8.81	7.64	3.85
1.65V	142	114	69.1	44.0	26.2	18.3	15.0	12.8	8.76	7.62	3.84
1.70V	136	109	67.0	42.9	25.9	18.1	14.9	12.7	8.70	7.60	3.83
1.75V	131	106	65.4	42.0	25.5	18.0	14.8	12.6	8.64	7.55	3.81
1.80V	123	100	63.0	40.7	24.9	17.5	14.3	12.2	8.38	7.50	3.78

Discharge Constant Power at 25°C (Watts)

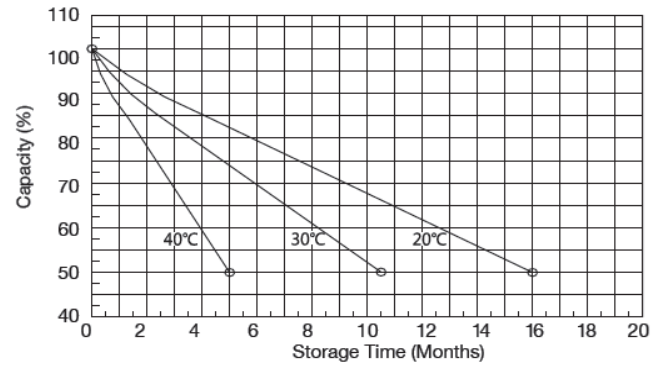
End Voltage (V/cell)	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1584	1278	792	509	305	216	177	152	105	91.2	46.2
1.65V	1536	1248	776	501	303	215	176	151	104	91.0	46.1
1.70V	1473	1202	752	489	300	213	175	150	103	90.7	45.9
1.75V	1410	1161	734	479	296	212	174	149	103	90.2	45.7
1.80V	1331	1099	707	464	288	205	168	144	100	89.6	45.4

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

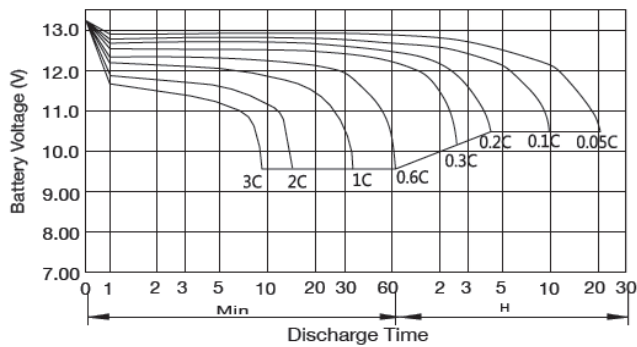
Temperature Effects on Float Life



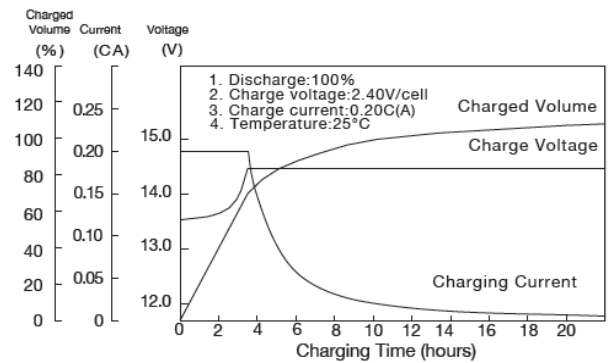
Self Discharge Characteristics



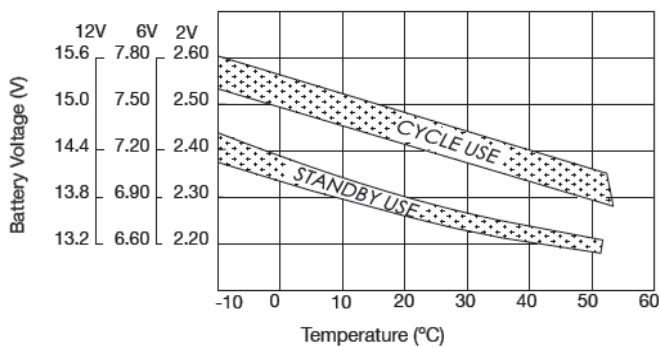
Discharge Characteristics (25°C)



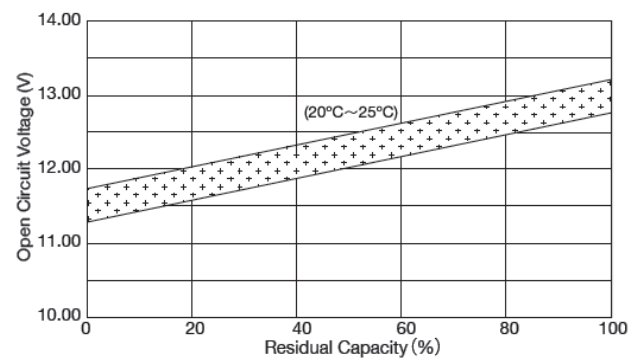
Charging Characteristics (25°C)



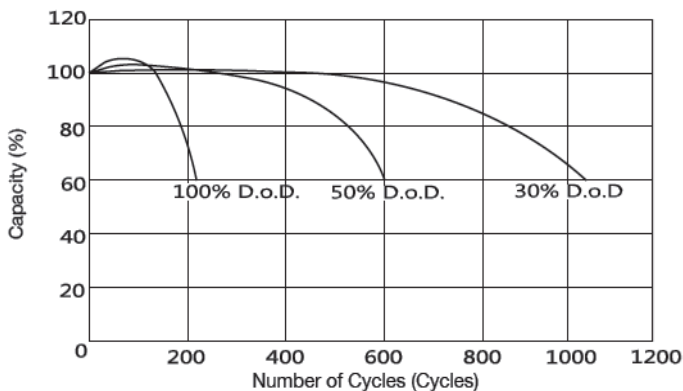
Relationship Between Charging Voltage and Temperature



Relationship Between OCV and Residual Capacity (25°C)



Cycle Service Life in Relation to Depth of Discharge



Temperature Effects on Capacity

