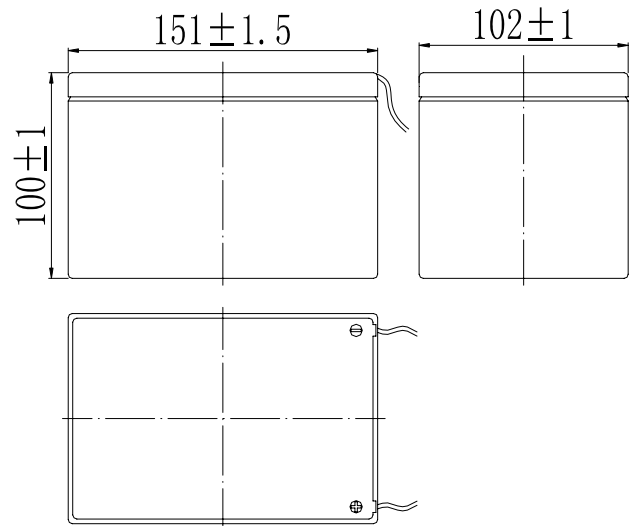


Specifications

Nominal Voltage		18 V
Capacity (25°C)	20HR(15.75V)	7Ah
	10HR(15.75V)	6.5Ah
	1HR(14.40V)	4.6Ah
Dimension	Length	151 ± 1.5mm (5.94inch)
	Width	102 ± 1mm (4.02inch)
	Height	100 ± 1mm (3.94inch)
	Total Height	100 ± 1mm (3.94inch)
Approx. Weight		3.4kg (7.50lbs) ± 5%
Terminal type		Plug
Internal resistance (Fully charged, 25°C)		Approx. 60mΩ
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		20.40 to 20.70V Temperature compensation: -27mV/°C
Cyclic charging voltage(25°C)		21.75 to 22.35V Temperature compensation: -45mV/°C
Maximum charging current		2.1A
Terminal material		Wire Plug
Maximum discharge current		20A(5 sec.)
Designed floating life(20°C)		3~5 years

Dimensions



- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

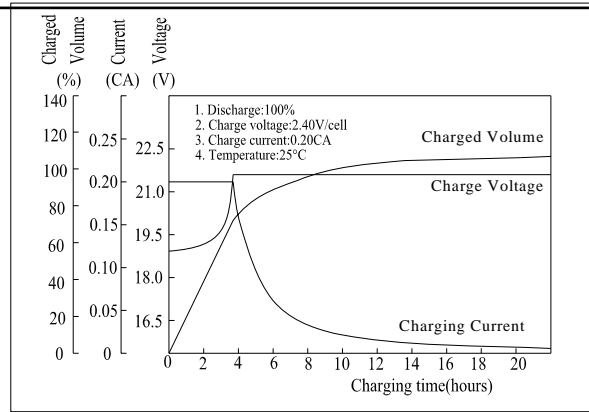
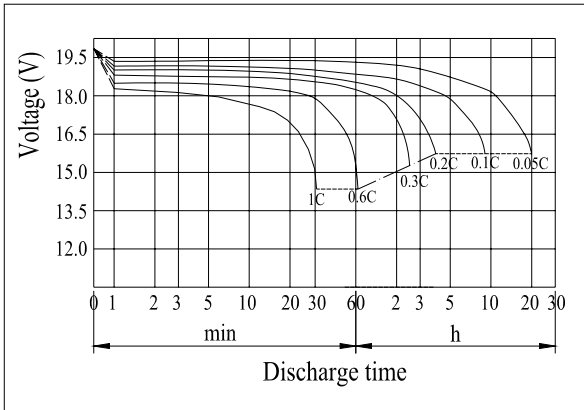
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
14.40V	--	--	--	4.60	2.49	1.79	1.43	1.21	0.79	0.66	0.36
14.85V	--	--	--	4.53	2.47	1.77	1.42	1.21	0.78	0.66	0.35
15.30V	--	--	--	4.41	2.45	1.76	1.41	1.20	0.78	0.65	0.35
15.75V	--	--	--	4.32	2.41	1.75	1.40	1.19	0.77	0.65	0.35
16.20V	--	--	--	4.19	2.35	1.70	1.36	1.15	0.75	0.64	0.34

Constant Power Discharge Characteristics (Watt, 25°C)

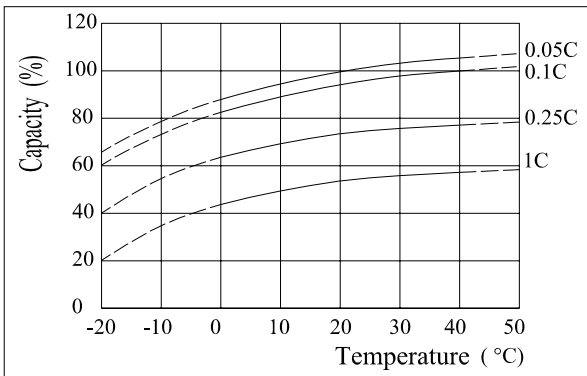
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
14.40V	--	--	--	79.8	43.6	31.8	25.5	21.7	14.1	11.9	6.39
14.85V	--	--	--	78.6	43.4	31.6	25.4	21.6	14.1	11.8	6.37
15.30V	--	--	--	76.6	43.0	31.4	25.2	21.5	14.0	11.8	6.34
15.75V	--	--	--	75.1	42.4	31.2	25.0	21.3	13.9	11.7	6.30
16.20V	--	--	--	72.8	41.3	30.2	24.3	20.7	13.4	11.5	6.17

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

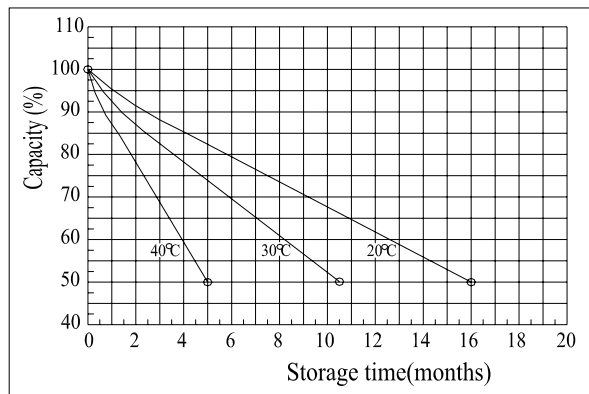
Discharge Characteristics(25°C)



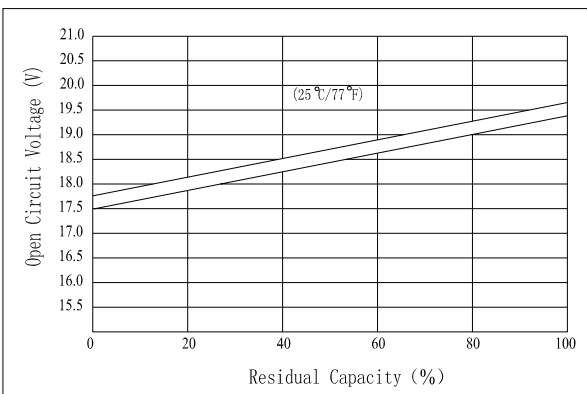
Effect of Temperature on Capacity



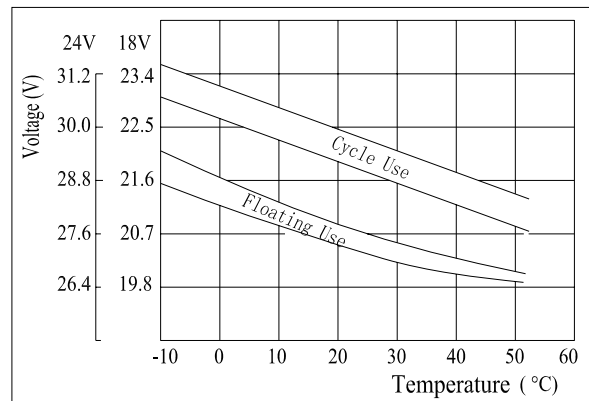
Self-discharge Characteristics



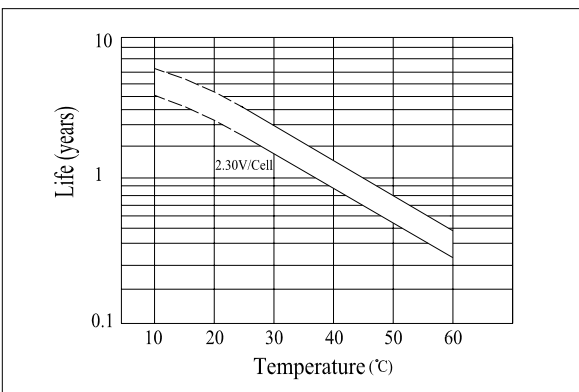
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



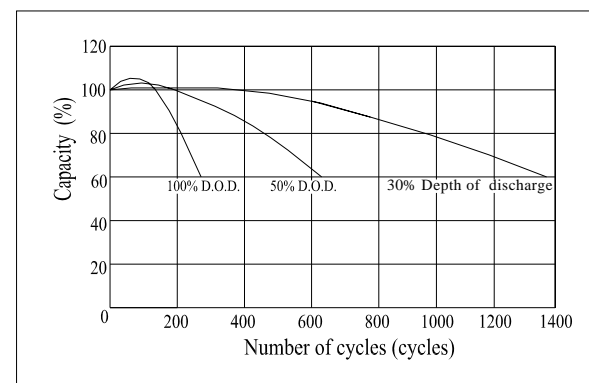
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)