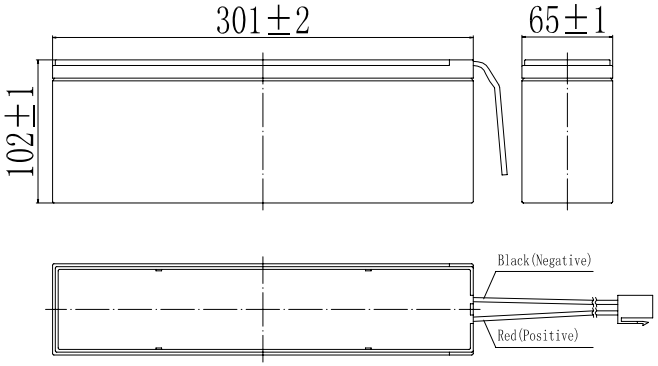
Specifications

Nominal Voltage		24 V
Capacity (25℃)	20HR(21.0V)	10Ah
	10HR(21.0V)	9.3Ah
	1HR(19.2V)	6.5Ah
Dimension	Length	301±2mm (11.85inch)
	Width	65±1mm (2.56inch)
	Height	102±1mm (4.02inch)
	Total Height	102±1mm (4.02inch)
Approx. Weight		5.5kg (12.1lbs)±5%
Terminal type		Plug
Internal resistance (Fully charged, 25℃)		Approx. 50mΩ
Capacity affected by temperature (20HR)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-discharge (25℃)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25℃±3℃(77℉±5℉)
Operating temperature range	Discharge	-15℃～50℃(5℉～122℉)
	Charge	-10℃～50℃(14℉～122℉)
	Storage	-20℃～50℃(-4℉～122℉)
Float charging voltage(25℃)		27.2 to 27.6V Temperature compensation: -36mV/℃
Cyclic charging voltage(25℃)		29.0 to 29.8V Temperature compensation: -60mV/℃
Maximum charging current		3A
Terminal material		Wire Plug
Maximum discharge current		20A(5 sec.)
Designed floating life(20℃)		10years

Dimensions



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

Constant Current Discharge Characteristics (A, 25℃)

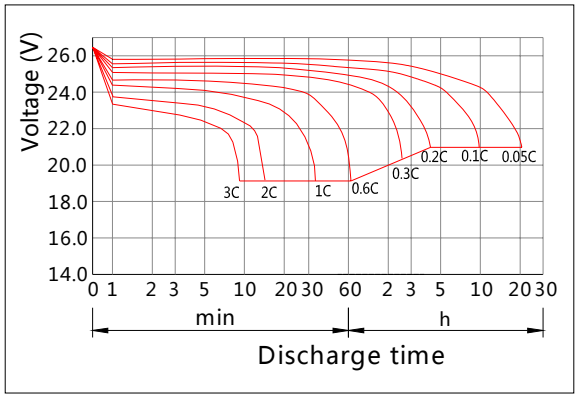
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
19.2V	--	--	--	6.50	3.55	2.55	2.04	1.73	1.12	0.94	0.51
19.8V	--	--	--	6.40	3.53	2.54	2.03	1.72	1.12	0.94	0.51
20.4V	--	--	--	6.24	3.50	2.52	2.01	1.71	1.11	0.94	0.50
21.0V	--	--	--	6.12	3.45	2.50	2.00	1.70	1.10	0.93	0.50
21.6V	--	--	--	5.93	3.36	2.43	1.94	1.65	1.07	0.91	0.49

Constant Power Discharge Characteristics (Watt, 25℃)

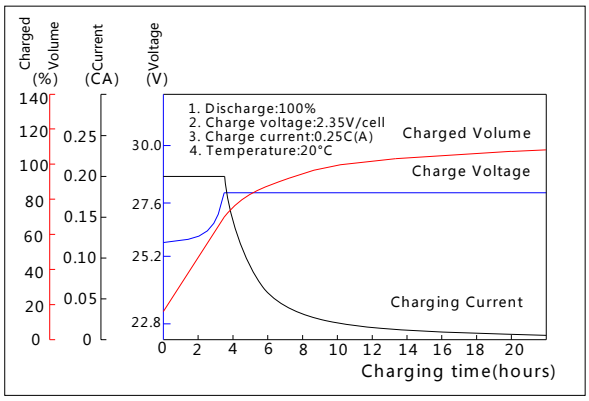
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
19.2V	--	--	--	151	83.1	60.6	48.6	41.4	26.9	22.7	12.2
19.8V	--	--	--	148	82.6	60.2	48.3	41.2	26.8	22.6	12.1
20.4V	--	--	--	145	81.9	59.8	48.0	40.9	26.6	22.5	12.1
21.0V	--	--	--	142	80.7	59.4	47.6	40.6	26.4	22.3	12.0
21.6V	--	--	--	137	78.6	57.6	46.2	39.4	25.6	21.9	11.8

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

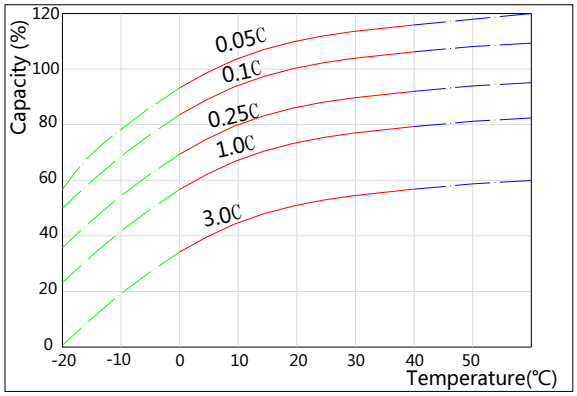
Discharge Characteristics(25℃)



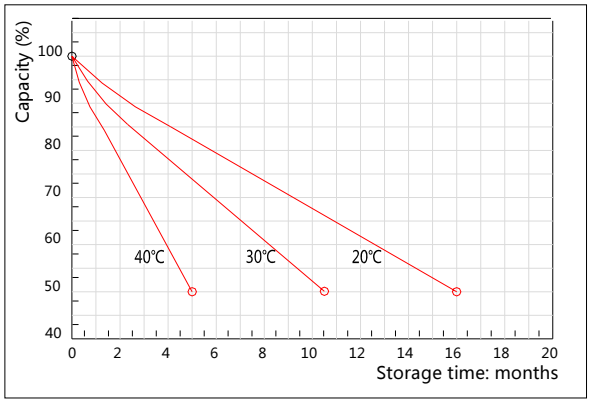
Charging Characteristics(25℃)



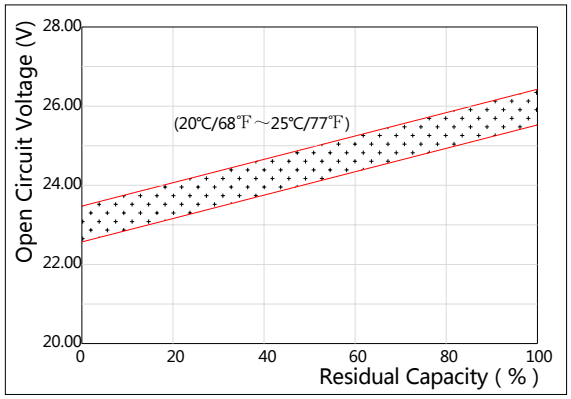
Effect of Temperature on Capacity



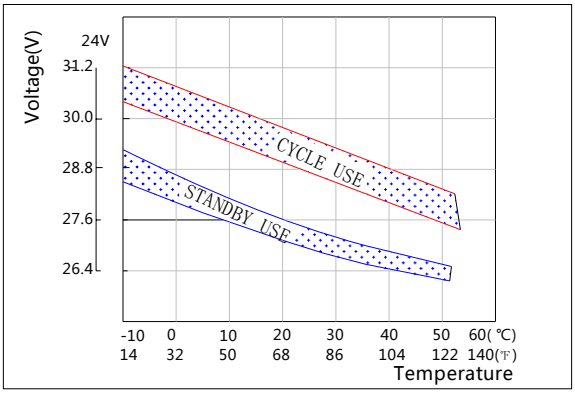
Self-discharge Characteristics



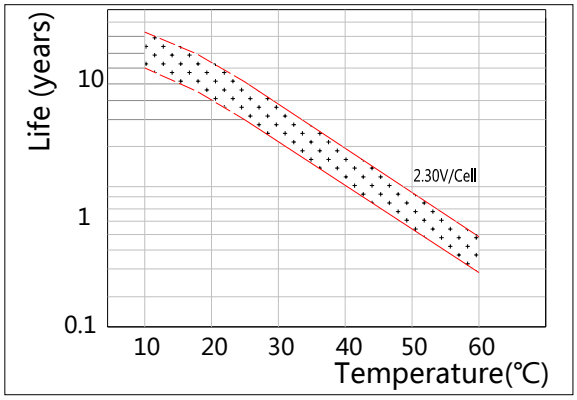
The Relationship for Open Circuit Voltage and Residual Capacity (25℃)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25℃)

