

Specifications

Nominal Voltage		24 V
Capacity (25°C)	20HR(21.0V)	3.5Ah
	10HR(21.0V)	3.3Ah
	1HR(19.2V)	2.28Ah
Dimension	Length	185 ± 2mm (7.21inch)
	Width	73.5 ± 1mm (2.87inch)
	Height	70.5 ± 1mm (2.77inch)
	Total Height	70.5 ± 1mm (2.77inch)
Approx. Weight		2.6kg (5.78lbs) ± 5%
Terminal type		Plug
Internal resistance (Fully charged, 25°C)		Approx. 65mΩ
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)		27.2 to 27.6V Temperature compensation: -36mV/°C
Cyclic charging voltage(25°C)		29.0 to 29.8V Temperature compensation: -60mV/°C
Maximum charging current		1.05A
Terminal material		Wire Plug
Maximum discharge current		20A(5 sec.)
Designed floating life(20°C)		10years

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

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
19.2V	13.3	8.40	6.65	3.71	2.28	1.24	0.89	0.71	0.61	0.33	0.178
19.8V	12.9	8.15	6.49	3.64	2.24	1.24	0.89	0.71	0.60	0.33	0.177
20.4V	12.4	7.81	6.25	3.52	2.18	1.23	0.88	0.70	0.60	0.33	0.176
21.0V	11.8	7.48	6.04	3.44	2.14	1.21	0.88	0.70	0.60	0.33	0.175
21.6V	11.2	7.06	5.72	3.31	2.07	1.18	0.85	0.68	0.58	0.32	0.172

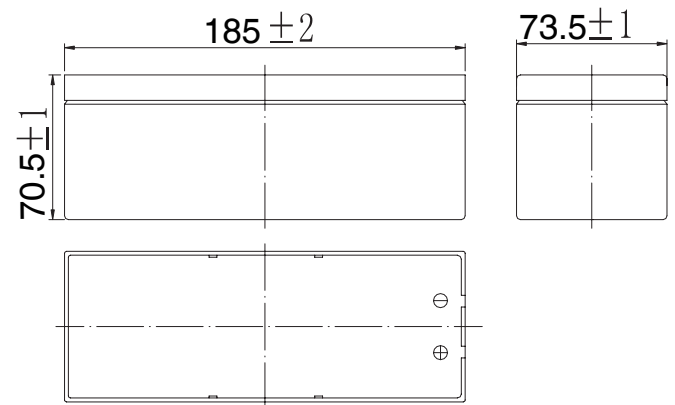
Constant Power Discharge Characteristics (Watt, 25°C)

F. V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
19.2V	296.8	189.6	151.6	85.2	52.8	29.08	21.20	17.00	14.48	7.92	4.28
19.8V	288.0	184.0	148.0	83.2	52.0	28.92	21.08	16.92	14.40	7.88	4.24
20.4V	276.0	176.4	142.4	80.8	50.4	28.68	20.92	16.80	14.32	7.84	4.24
21.0V	264.4	168.8	137.6	78.8	49.6	28.24	20.80	16.56	14.20	7.80	4.24
21.6V	249.2	159.2	130.4	76.0	48.0	27.52	20.16	16.16	13.80	7.64	4.20

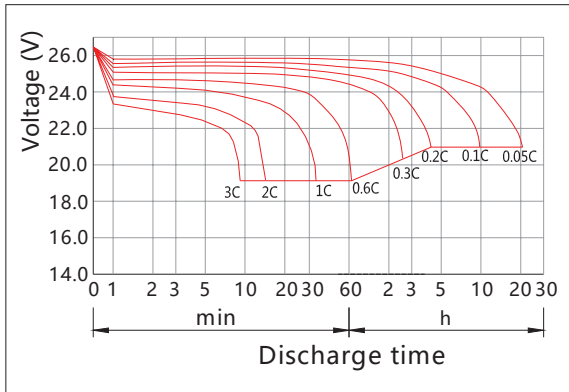
Note: The above characteristics data can be obtained within three charge/discharge cycles.



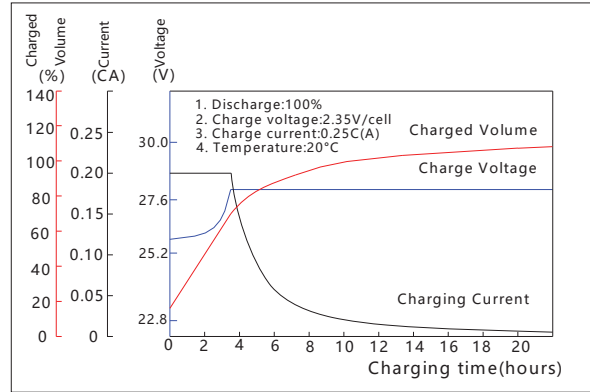
Dimensions



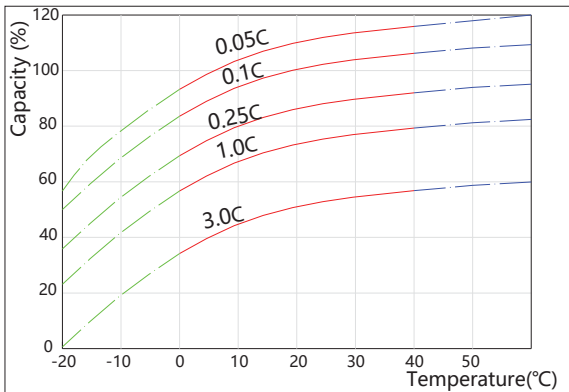
Discharge Characteristics(25°C)



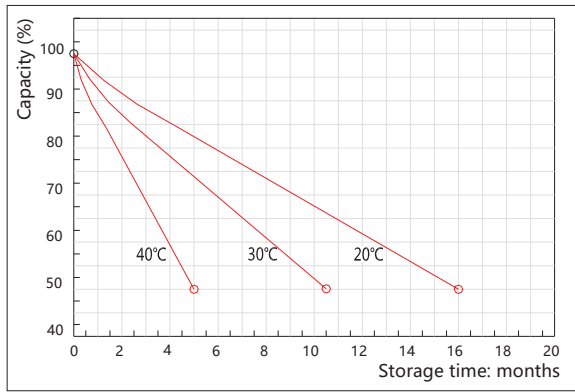
Charging Characteristics(25°C)



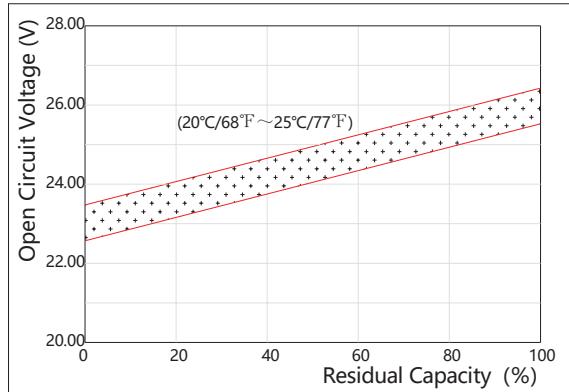
Effect of Temperature on Capacity



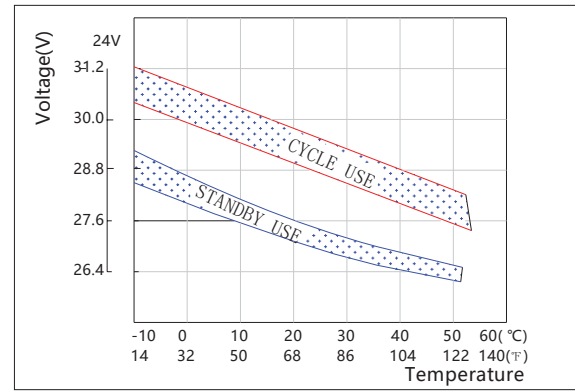
Self-discharge Characteristics



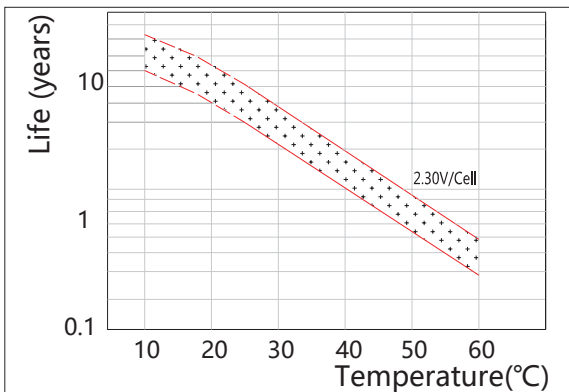
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

