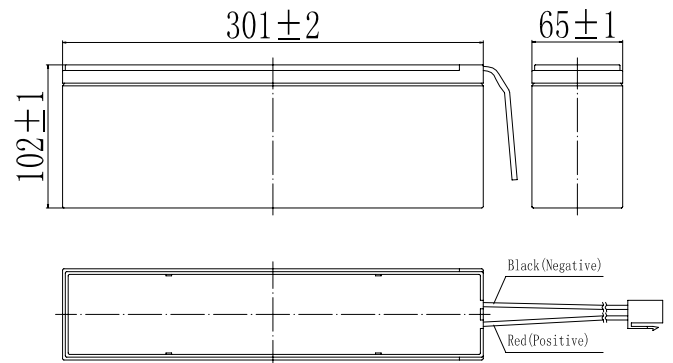


FP24100D (24V10Ah)

Specifications

Nominal Voltage		24 V
Capacity (25°C)	20HR(21.0V)	10Ah
	10HR(21.0V)	9.3Ah
	1HR(19.2V)	6.57Ah
Dimension	Length	301 ± 2mm (11.85inch)
	Width	65 ± 1mm (2.56inch)
	Height	102 ± 1mm (4.02inch)
	Total Height	102 ± 1mm (4.02inch)
Approx. Weight		5.6kg (12.35lbs) ± 5%
Terminal type		Plug
Internal resistance (Fully charged, 25°C)		Approx. 50mΩ
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		3A
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)

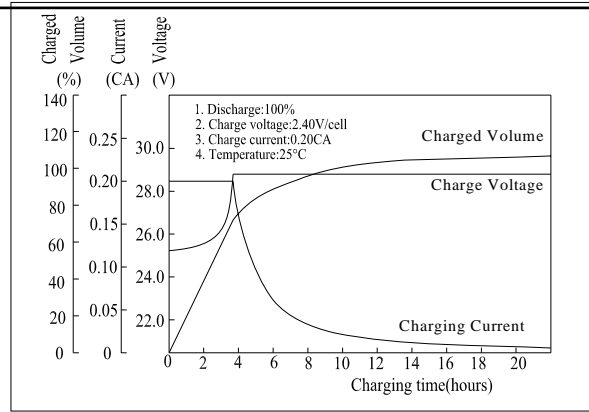
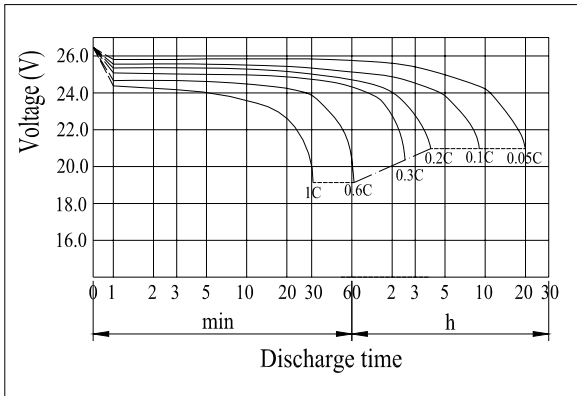
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
19.2V	--	--	--	6.57	3.55	2.55	2.04	1.73	1.12	0.94	0.51
19.8V	--	--	--	6.47	3.53	2.54	2.03	1.72	1.12	0.94	0.51
20.4V	--	--	--	6.30	3.50	2.52	2.01	1.71	1.11	0.94	0.50
21.0V	--	--	--	6.18	3.45	2.50	2.00	1.70	1.10	0.93	0.50
21.6V	--	--	--	5.99	3.36	2.43	1.94	1.65	1.07	0.91	0.49

Constant Power Discharge Characteristics (Watt, 25°C)

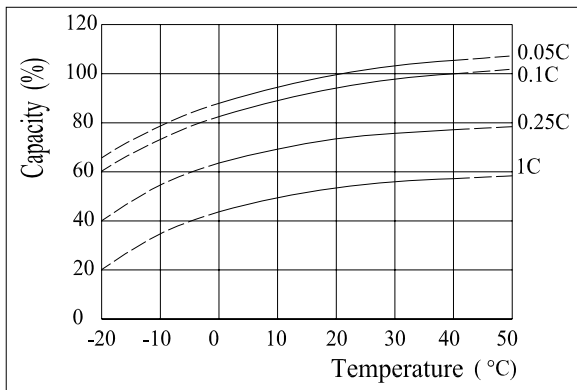
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
19.2V	--	--	--	152	83.1	60.6	48.6	41.4	26.9	22.7	12.2
19.8V	--	--	--	150	82.6	60.2	48.3	41.2	26.8	22.6	12.1
20.4V	--	--	--	146	81.9	59.8	48.0	40.9	26.6	22.5	12.1
21.0V	--	--	--	143	80.7	59.4	47.6	40.6	26.4	22.3	12.0
21.6V	--	--	--	139	78.6	57.6	46.2	39.4	25.6	21.9	11.8

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

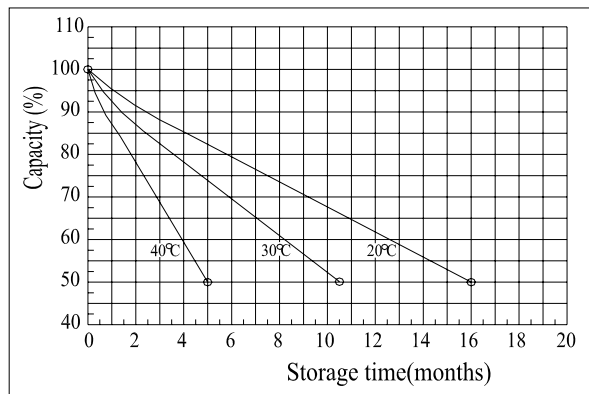
Discharge Characteristics(25°C)



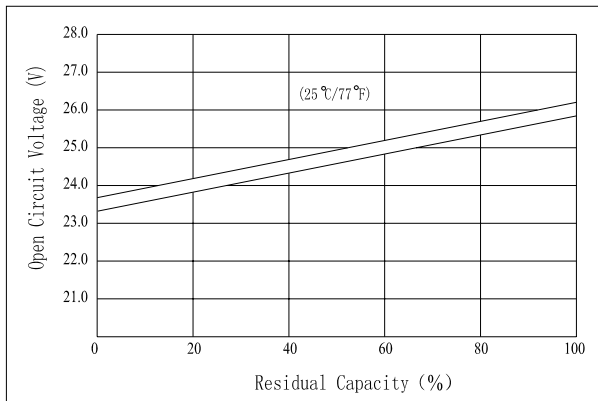
Effect of Temperature on Capacity



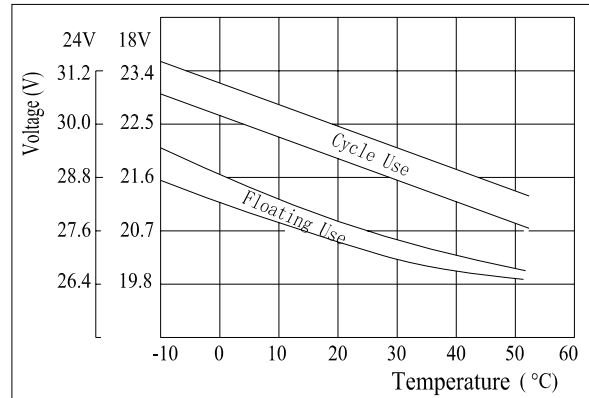
Self-discharge Characteristics



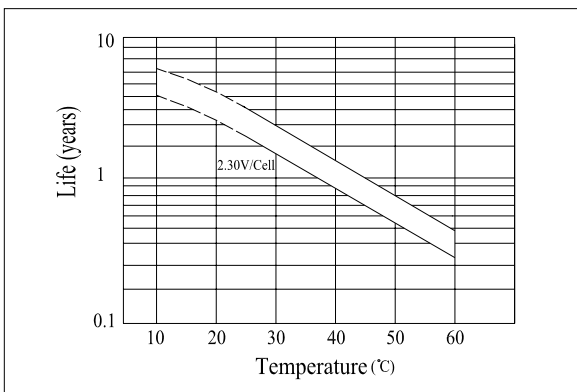
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



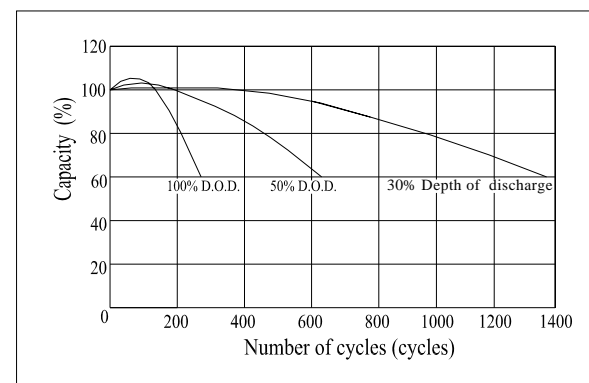
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)