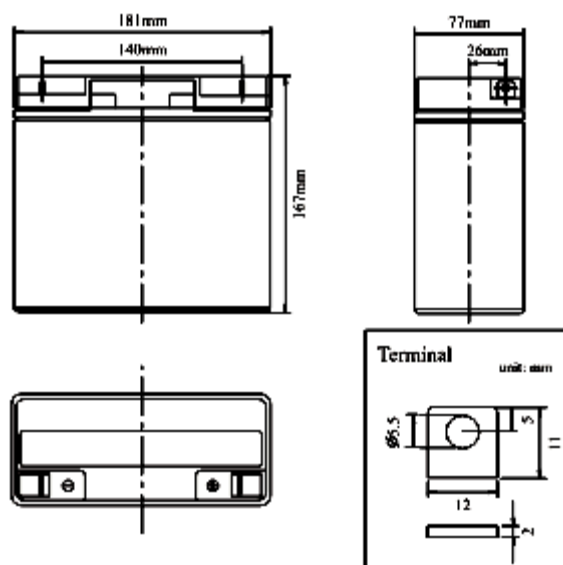


NP17-12 (12V17Ah)

Koyosonic Electronics Co., Ltd



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		17Ah
Capacity 25°C(77°F)	10 hour rate (1.62A)	16.2Ah
	5 hour rate (3.03A)	15.2Ah
	1 hour rate (11.2A)	11.2Ah
Internal Resistance	Full Charged Battery 25°C	≤12mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C(77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 5.1A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 5.1A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	181mm
	Width	77mm
	Height	167mm
	Total Height	167mm
Box Dimensions	Length	341mm
	Width	195mm
	Height	213mm
Quantity Per Box		4 pcs per box
Net weight Per Cell		5.2 0 kg±150g
Net weight Per Box		21.0kg
Gross Weight		21.5kg

Discharge Constant Current per Cell (Amperes at 77°F25°C)

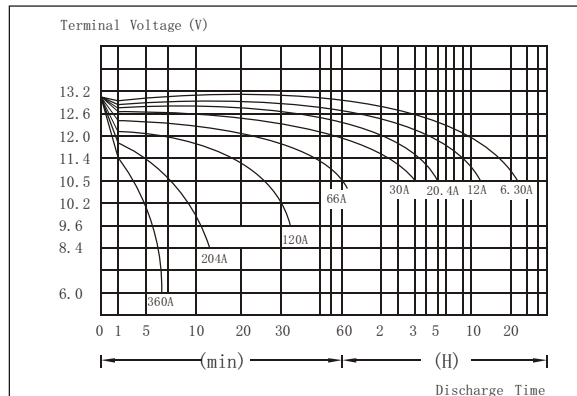
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	56.10	37.40	28.14	18.70	13.09	11.22	7.01	4.81	3.20	2.15	1.78	0.94
1.65V	55.08	36.72	27.63	18.36	12.85	11.02	6.89	4.72	3.15	2.11	1.75	0.92
1.70V	54.06	36.04	27.12	18.02	12.61	10.81	6.76	4.63	3.09	2.08	1.72	0.90
1.75V	53.04	35.36	26.61	17.68	12.38	10.61	6.63	4.54	3.03	2.04	1.68	0.88
1.80V	51.00	34.00	25.58	17.00	11.90	10.20	6.38	4.37	2.91	1.96	1.62	0.85

Discharge Constant Power per Cell (Watts at 77°F 25°C)

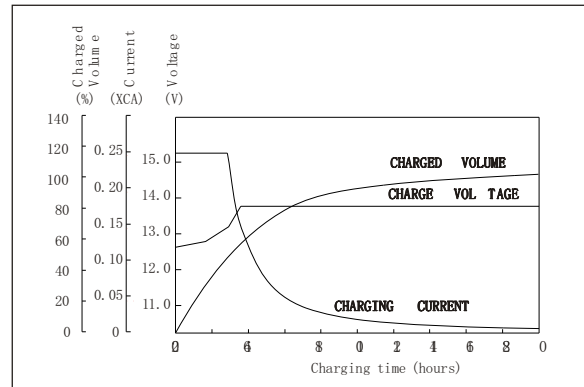
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	107.99	72.00	54.17	36.00	25.20	21.60	13.50	9.25	6.17	4.15	3.43	1.80
1.65V	106.03	70.69	53.19	35.34	24.74	21.21	13.25	9.08	6.06	4.07	3.36	1.77
1.70V	104.07	69.38	52.20	34.69	24.28	20.81	13.01	8.91	5.94	4.00	3.30	1.73
1.75V	102.10	68.07	51.22	34.03	23.82	20.42	12.76	8.75	5.83	3.92	3.24	1.70
1.80V	98.18	65.45	49.25	32.73	22.91	19.64	12.27	8.41	5.61	3.77	3.11	1.64

AGM Battery

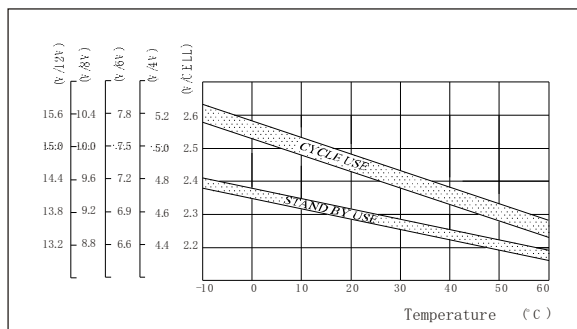
Discharge Characteristics



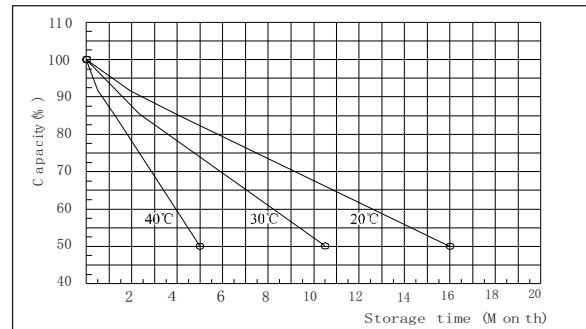
Constant Voltage Charging Characteristics(0.25C 25 °C)



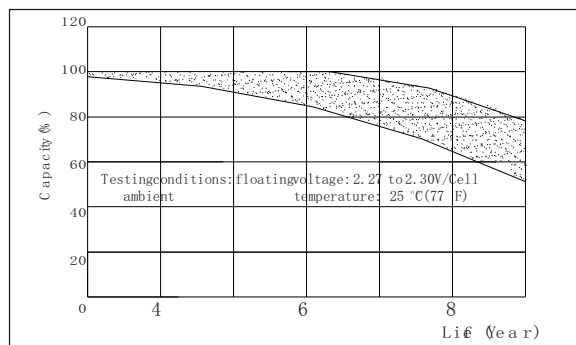
Relationship between Charging voltage and Temperature



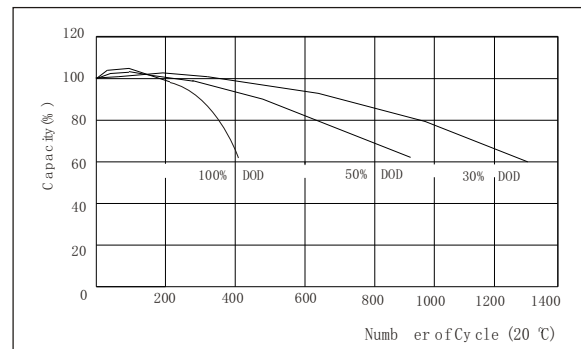
Self-discharge Characteristics



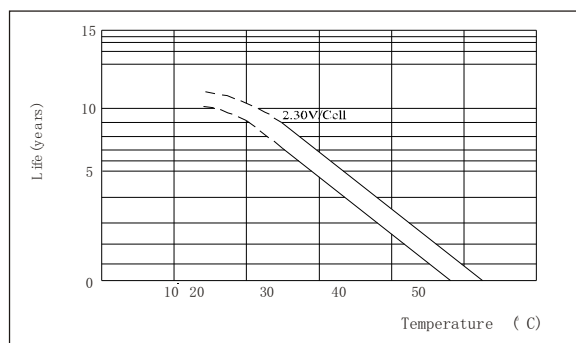
Float service life



Cycle service life @ different DOD



Temperature Effects on FloatLife



Temperature Effects on Capacity

