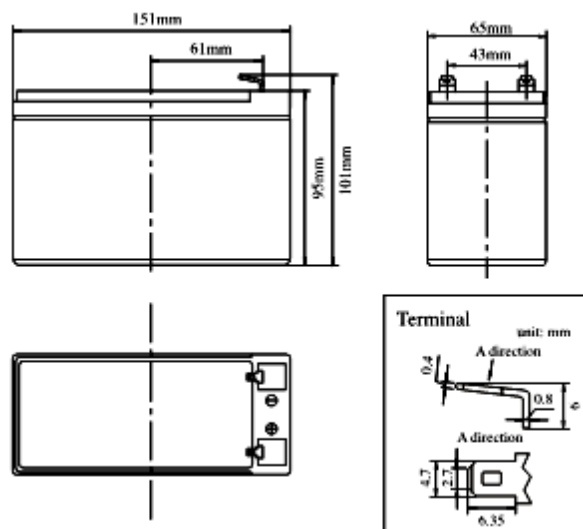


NP7.2-12 (12V7.2Ah)

Koyosonic Electronics Co., Ltd



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		7.2Ah
Capacity 25°C(77°F)	10 hour rate (0.67A)	6.7Ah
	5 hour rate (1.25A)	6.25Ah
	1 hour rate (4.62A)	4.62Ah
Internal Resistance	Full Charged Battery 25°C	≤22mΩ
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 2.1A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 2.1A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	151mm
	Width	65mm
	Height	95mm
	Total Height	101mm
Box Dimensions	Length	364mm
	Width	165mm
	Height	141mm
Quantity Per Box		5 pcs per box
Net weight Per Cell		2.15 kg±100g
Net weight Per Box		10.75kg
Gross Weight		11.2kg

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

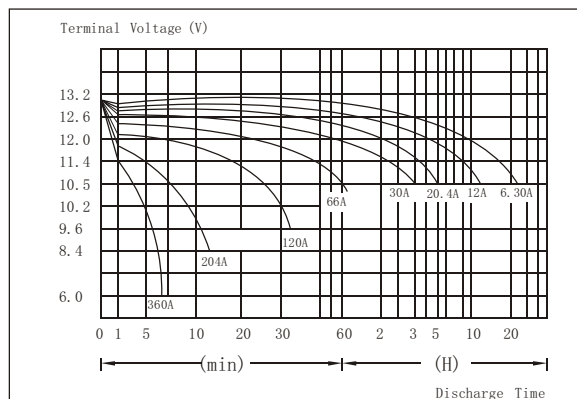
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	23.10	15.40	11.59	7.70	5.39	4.62	2.89	1.98	1.32	0.89	0.73	0.40
1.65V	22.68	15.12	11.38	7.56	5.29	4.54	2.84	1.94	1.30	0.87	0.72	0.39
1.70V	22.26	14.84	11.17	7.42	5.19	4.45	2.78	1.91	1.27	0.85	0.71	0.38
1.75V	21.84	14.56	10.96	7.28	5.10	4.37	2.73	1.87	1.25	0.84	0.69	0.37
1.80V	21.00	14.00	10.53	7.00	4.90	4.20	2.63	1.80	1.20	0.81	0.67	0.36

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

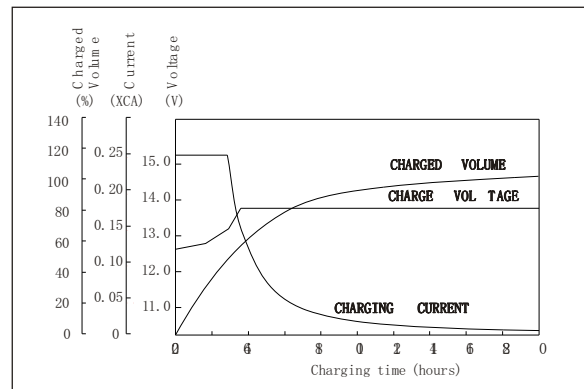
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	44.47	29.65	22.31	14.82	10.38	8.89	5.56	3.81	2.54	1.71	1.41	0.74
1.65V	43.66	29.11	21.90	14.55	10.19	8.73	5.46	3.74	2.49	1.68	1.39	0.73
1.70V	42.85	28.57	21.49	14.28	10.00	8.57	5.36	3.67	2.45	1.65	1.36	0.71
1.75V	42.04	28.03	21.09	14.01	9.81	8.41	5.26	3.60	2.40	1.61	1.33	0.70
1.80V	40.43	26.95	20.28	13.48	9.43	8.09	5.05	3.46	2.31	1.55	1.28	0.67

AGM Battery

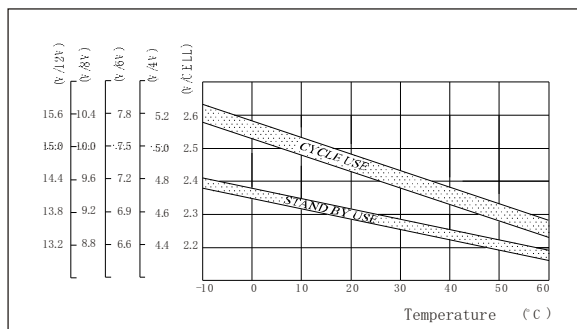
Discharge Characteristics



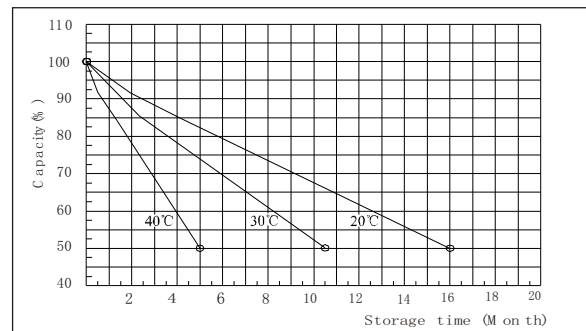
Constant Voltage Charging Characteristics(0.25C 25 °C)



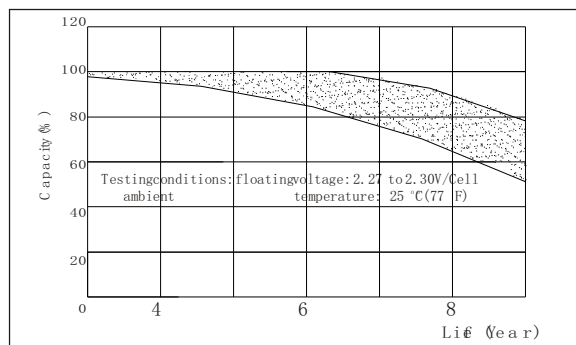
Relationship between Charging voltage and Temperature



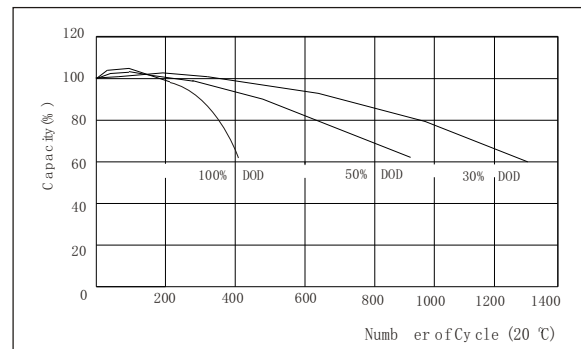
Self-discharge Characteristics



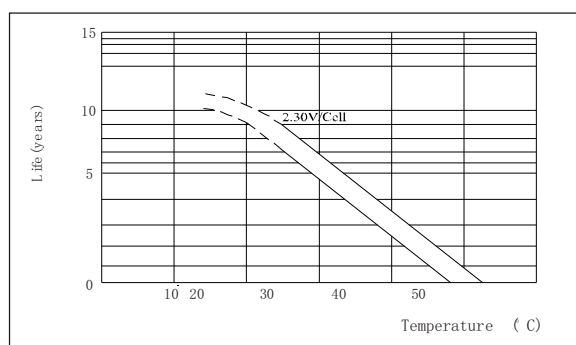
Float service life



Cycle service life @ different DOD



Temperature Effects on FloatLife



Temperature Effects on Capacity

