

Powered by



KP12-26 ▶ 12V26Ah

KP12-26 is a general purpose battery up to 5 years in standby service. As with all batteries, all are rechargeable, highly efficient, leak proof and maintenance free.



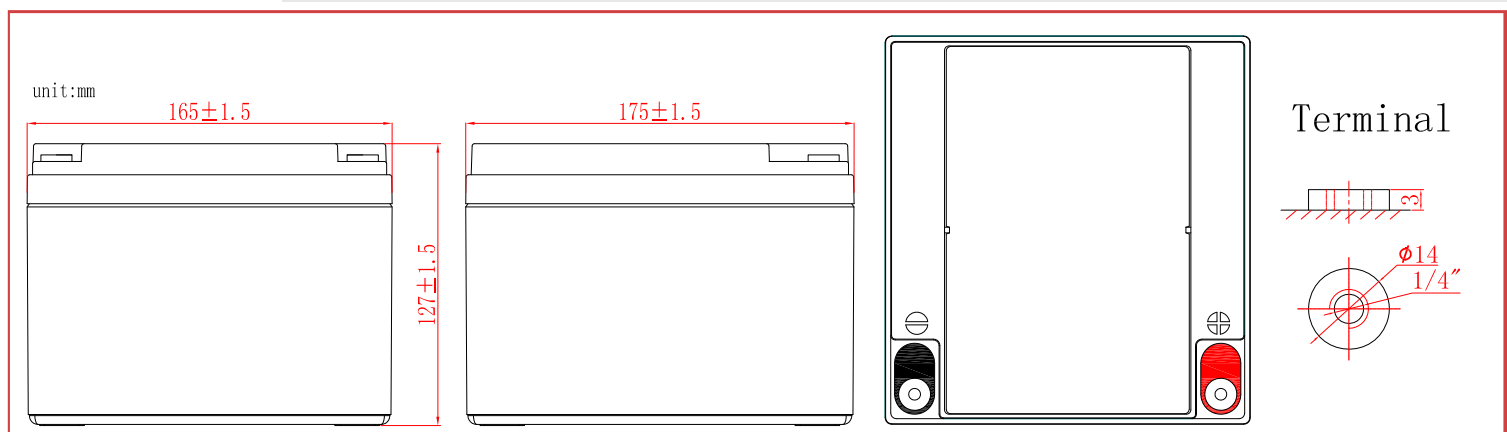
► Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	26Ah @ 20hr-rate to 1.75V per cell @25 °C (77°F)
Weight	Approx 8.0 kg (17.6lbs)
Maximum Discharge Current	375A(5sec)
Internal Resistance	Approx. 11 mΩ
Operating Temperature Range	Discharge: -15°C~50°C (5°F~122°F) Charge: -15 °C~40°C (5°F~104°F) Storage: -15°C~40°C (5°F~104°F)
Nominal Operating Temperature Range	25°C±3°C (77°F±5°F)
Float Charging Voltage	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
Recommended Maximum Charging Current Limit	7.5A
Equalization and Cycle Service	14.4 to 14.8 VDC/unit Average at 25°C (77°F)
Self Discharge	KP Batteries can be stored for more than 6 months at 25°C (77°F). Please charge batteries before using. For igher temperatures the time interval will be shorter.
Terminal	Thread lead alloy recessed terminal to accept 1/4" bolt
Container Material	ABS(UL 94-HB) & Flammability resistance of (UL 94-V0) can be available upon request.

► Dimensions :

Unit: mm

Overall Height (H)	Container height (h)	Length (L)	Width (W)
127±1.5	127±1.5	165±1.5	175±1.5



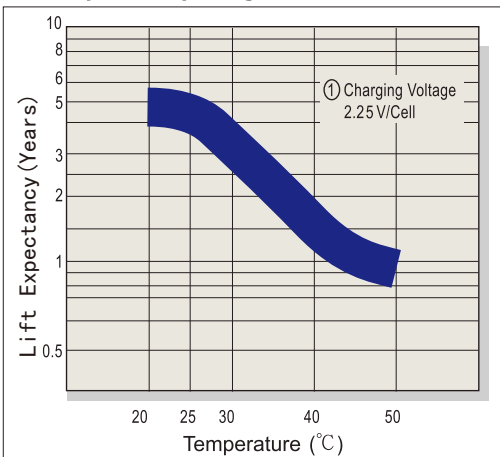
Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	84.9	48.0	27.58	15.25	6.56	4.42	2.47	1.326
1.67V	83.3	47.2	27.41	15.11	6.54	4.39	2.46	1.321
1.7V	80.8	45.8	27.06	14.89	6.50	4.33	2.45	1.313
1.75V	76.5	43.7	26.46	14.51	6.42	4.25	2.43	1.300
1.8V	68.6	40.2	25.36	13.79	6.20	4.10	2.36	1.271
1.85V	53.2	34.0	23.46	12.65	5.75	3.83	2.24	1.222

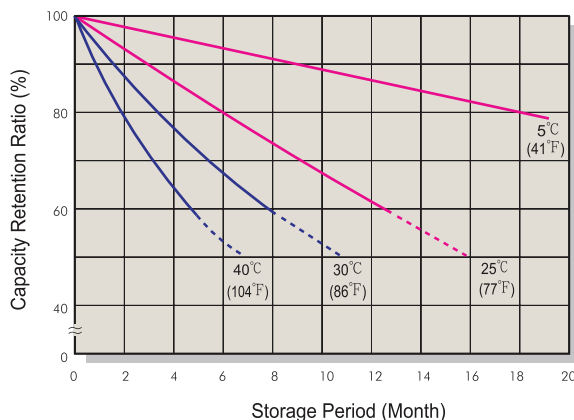
Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	5min	15min	30min	1h	3h	5h	10h	20h
1.60V	145.0	92.3	53.3	28.99	12.94	8.62	4.87	2.63
1.67V	138.3	87.5	53.0	28.76	12.87	8.60	4.85	2.63
1.7V	129.1	81.8	52.5	28.42	12.79	8.52	4.82	2.61
1.75V	116.7	74.8	51.5	27.90	12.64	8.37	4.76	2.58
1.8V	100.0	66.2	49.4	26.98	12.21	8.07	4.62	2.53
1.85V	77.9	55.6	45.7	25.13	11.44	7.61	4.42	2.44

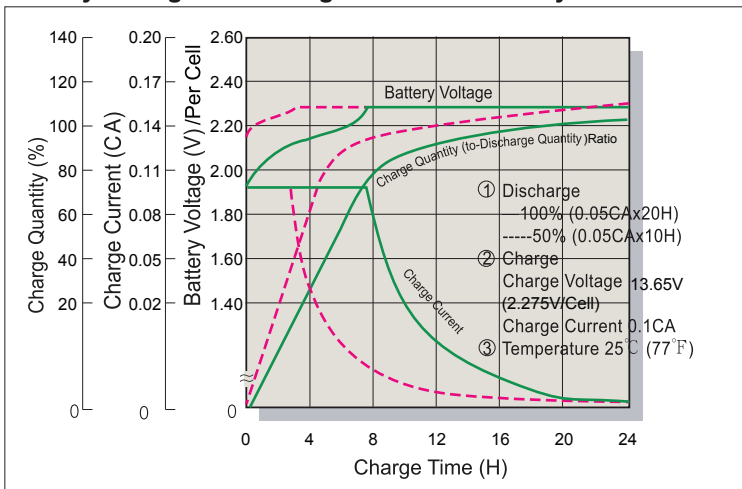
Trickle(or Float)Design Life



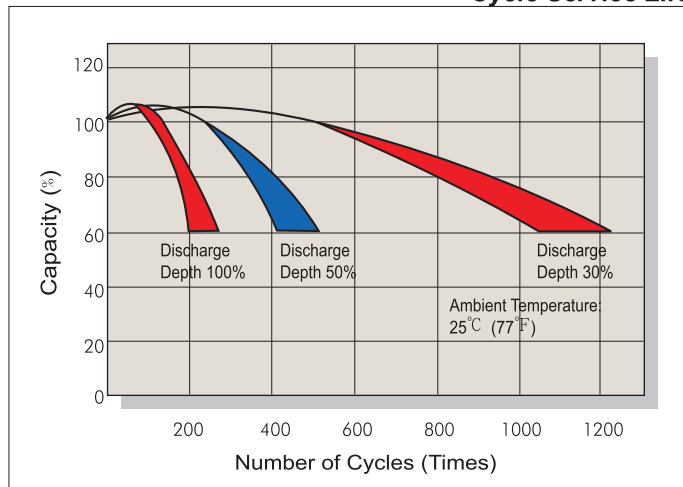
Capacity Retention Characteristic



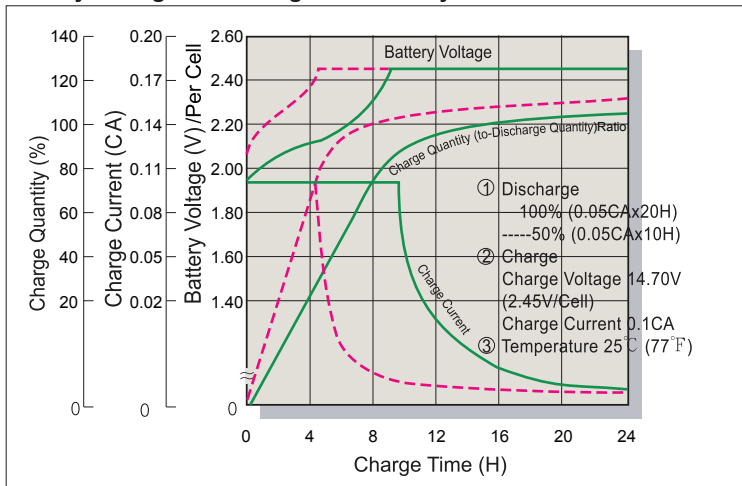
Battery Voltage and Charge Time for Standby Use



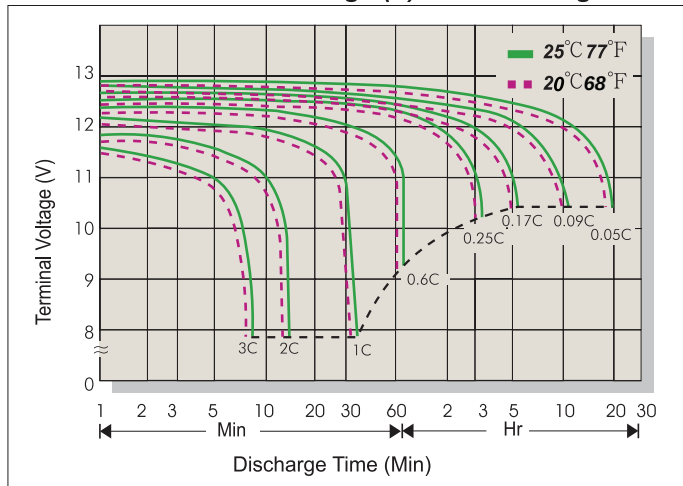
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.3C
Standby	25°C(77°F)	2.275	2.25~2.30	

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.65	1.60
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C

Effect of temperature on capacity (20HR)

Temperature	Dependency of Capacity (20HR)
40 °C	102%
25 °C	100%
0 °C	85%
-15 °C	65%

Self-discharge Characteristics

Charge Voltage(V/Cell)	Charge Voltage(V/Cell)
3 Months	91%
6 Months	82%
12 Months	64%