

YOUR BEST POWER SOURCE SOLUTIONS

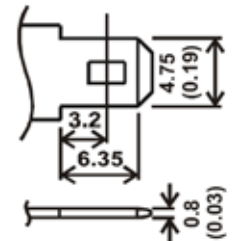
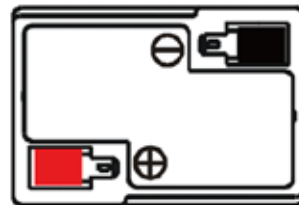
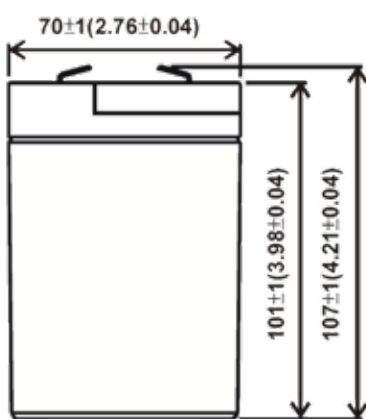
FEATURES

80-422 is a standby using battery with 3~5 years service life under normal float charge at 25°C. VRLA batteries are rechargeable Seal Lead highly efficient, leak proof and maintenance free.

SPECIFICATION

Cell per unit	3	Ambient temperature
Nominal Voltage (V)	6	Charge 0°C (30°F) to 40°C (104°F)
Nominal Capacity (Ah)	4.5Ah @ 20hour rate F.V(1.75/cell)	Discharge -15°C (-4°F) to 50°C (122°F)
Weight	Approx0.71kg(1.54Lbs.)	Storage -15°C (-4°F) to 40°C (104°F)
Internal Resistance (1KHz)	25mΩ	Max charge Current
Max Discharge Current (5s)	60A	Max charge current : 1.26A
Battery Design Life :	Stand by : 3~5 years	Cycle use : Charge voltage: 7.2 to 7.5V
Terminal Type	F1	Stand by : Charge voltage: 6.75 to 6.90V
Container Material	ABS	

DIMENSIONS	Length	Width	Height	Total Height
Unit: mm	70±1	47±1	101±1	107±1
Unit: inch	2.76±0.04	1.85±0.04	3.98±0.04	4.21±0.04



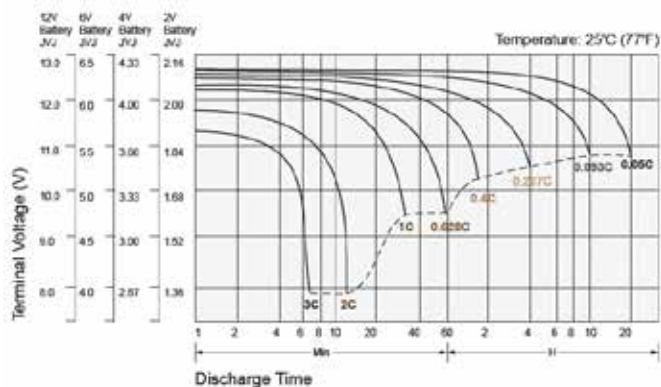
Constant current discharge characteristics Unit:A(25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	15.00	6.30	4.70	2.40	1.54	1.12	0.750	0.520	0.440	0.227
1.67V	14.50	6.20	4.60	2.30	1.54	1.12	0.740	0.510	0.430	0.226
1.70V	13.50	6.10	4.60	2.30	1.52	1.11	0.730	0.510	0.430	0.225
1.75V	11.50	6.00	4.50	2.20	1.52	1.11	0.720	0.510	0.420	0.225
1.80V	11.40	5.90	4.50	2.20	1.51	1.10	0.720	0.510	0.410	0.210

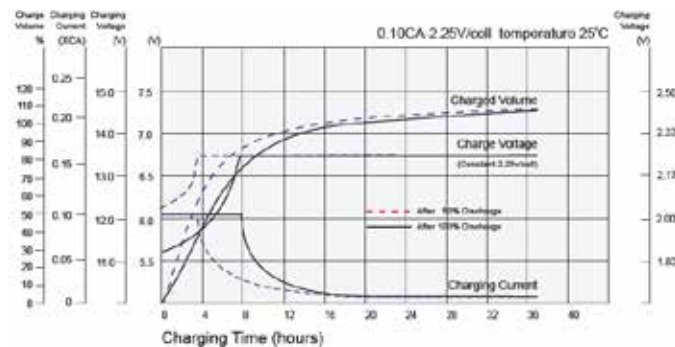
Constant power discharge characteristics Unit:W(25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	80.0	42.1	26.8	15.0	8.50	6.03	4.15	2.80	2.19	1.25
1.67V	75.2	40.0	26.5	14.5	8.36	5.83	4.10	2.76	2.19	1.25
1.70V	73.2	39.0	25.3	13.8	8.25	5.83	4.02	2.75	2.19	1.25
1.75V	69.0	38.0	24.8	13.2	8.00	5.73	4.02	2.72	2.17	1.23
1.80V	63.5	37.0	24.5	13.2	7.88	5.70	3.95	2.72	2.12	1.22

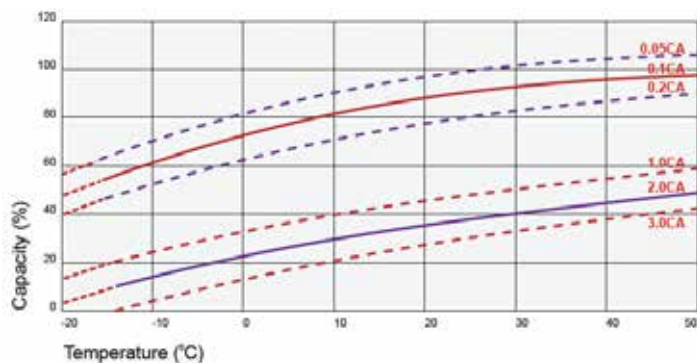
Battery Discharge Characteristics (25°C/77°F)



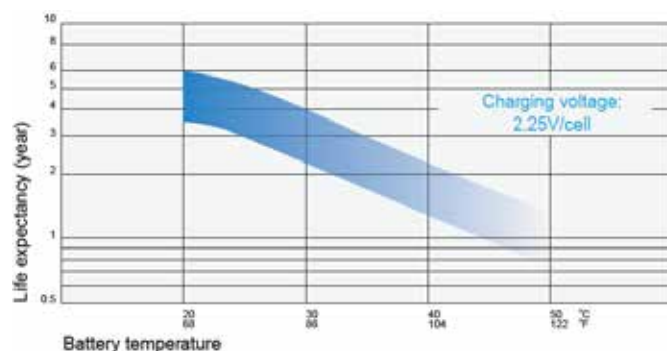
Battery Charge Characteristic for standby use



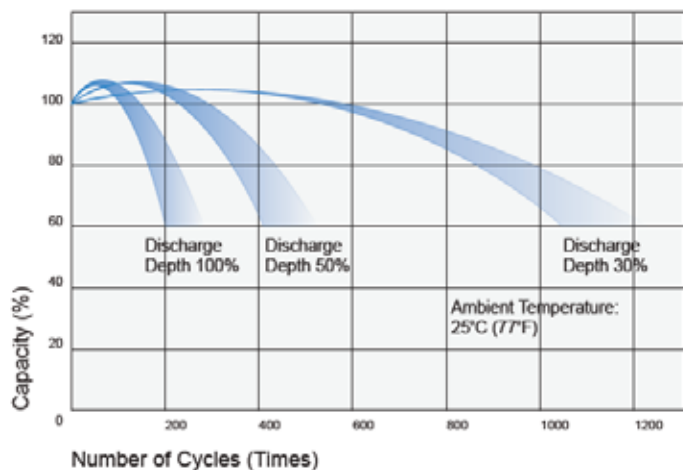
Temperature Effects in Relation to Battery Capacity



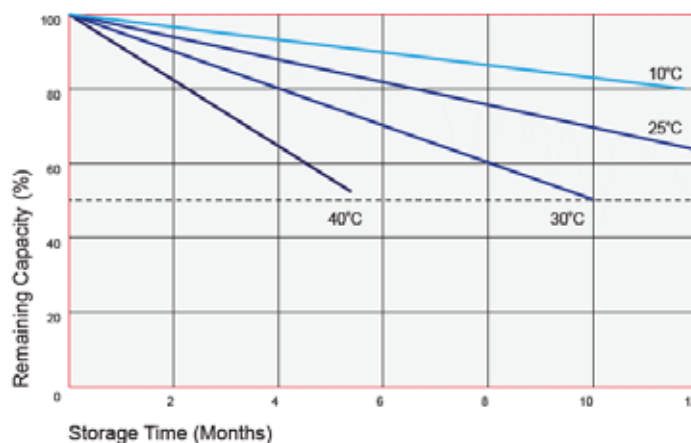
Temperature Effects on Long Term Float Life



Cycle Service Life



Self Discharge Characteristics



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	0.25C
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