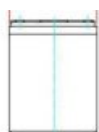


General Features

- High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Strong High and Low Temperature Performance
- Optimized Capability of instant High-current Discharging
- Low self-discharge rate
- Excellent Deep Discharge Cycle Life
- The Designed Life is 5 Years

Dimension and Weight

Length	151±1.5mm
Width	99±1.5mm
Height	98±1.5mm
Total Height	105±1.5mm
Weight	4.20±0.5kg



Terminal
M5

Applications

Electric vehicle
Electric wheelchair
Electric scooter
Electric car for kids
Garbage truck
Patrol car



Product Specification

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate	(1.54A to 10.5V)	15.4Ah
2Hour Rate	(6.00A to 10.5V)	12.0Ah
1Hour Rate	(10.5A to 10.5V)	10.5Ah

Self discharge Range:

3%/month(25℃)

Operating Temperature Range:

Discharge	-20℃~50℃ (-4°F~122°F)
Charge	-20℃~50℃ (-4°F~122°F)
Storage	-20℃~50℃ (-4°F~122°F)

Charging Methods:

Floating Use	13.7V~13.9V(25℃)
Cycling Use	14.7V~14.9V(25℃)
Max Charge Current	1.8A

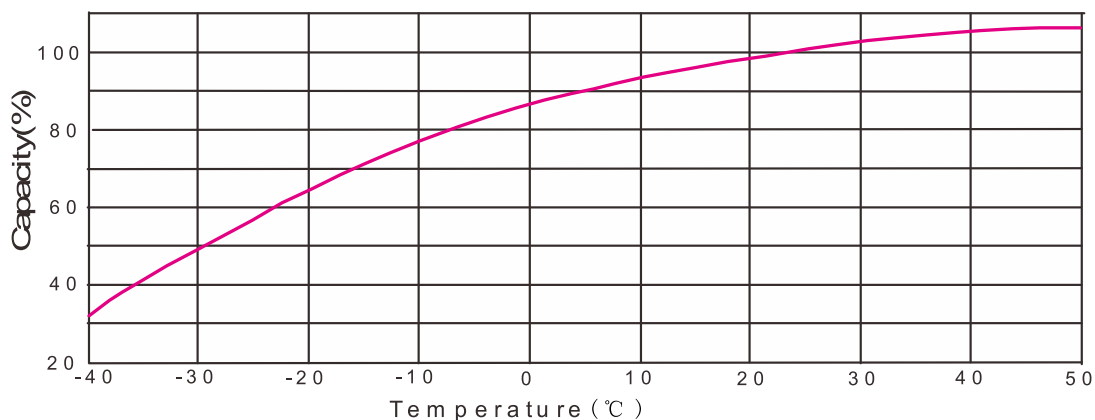
Constant Current Discharge Characteristics Unit: A (25℃, 77°F)

FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	56.4	30.3	18.4	10.8	6.17	4.58	3.01	1.93	1.58	0.83
1.65V	54.6	29.4	18.1	10.7	6.14	4.53	2.98	1.91	1.57	0.83
1.70V	52.5	28.7	17.8	10.6	6.10	4.46	2.95	1.90	1.55	0.82
1.75V	48.2	27.8	17.6	10.5	6.00	4.42	2.91	1.88	1.54	0.82
1.80V	43.2	25.9	16.9	10.2	5.89	4.38	2.84	1.87	1.52	0.81
1.85V	38.6	23.1	15.4	9.45	5.59	4.13	2.70	1.79	1.48	0.80

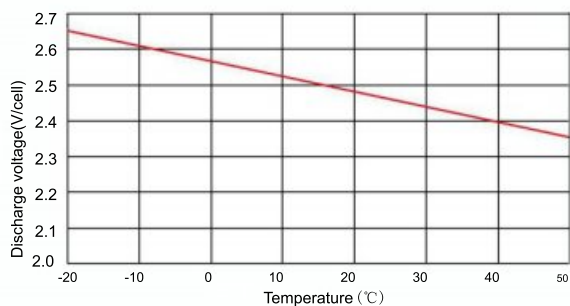
Constant Power Discharge Characteristics Unit: W/cell (25℃, 77°F)

FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	94.5	53.3	33.3	20.4	11.7	8.70	5.70	3.75	3.05	1.64
1.65V	90.9	52.4	33.0	20.2	11.6	8.59	5.67	3.72	3.02	1.64
1.70V	90.4	51.8	33.0	20.0	11.6	8.54	5.63	3.70	2.99	1.63
1.75V	84.3	51.5	32.8	19.9	11.5	8.50	5.59	3.67	2.95	1.62
1.80V	77.4	48.6	32.1	19.7	11.5	8.46	5.53	3.64	2.92	1.61
1.85V	69.1	43.5	29.4	18.3	11.0	8.05	5.28	3.52	2.88	1.60

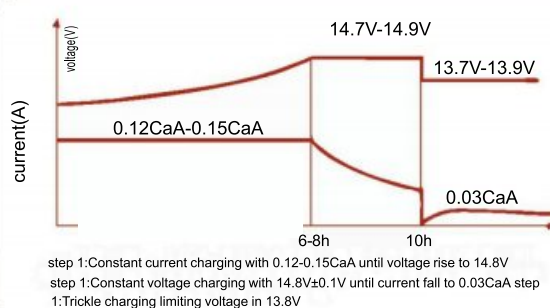
Effect of temperature on capacity



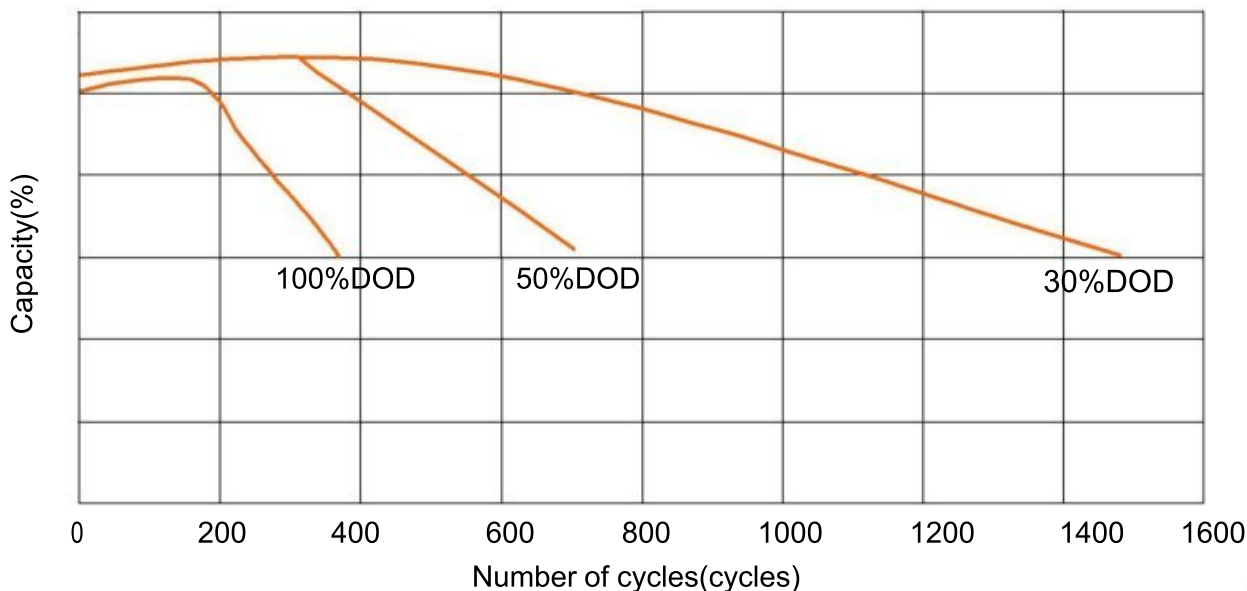
Capacity Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life



Pb

Pb