

6-DZF-36.3



Applications

- > Electric vehicle
- > Electric wheelchair
- > Electric scooter
- > Electric play car for children
- > Garbage truck
- > Patrol car

General Features

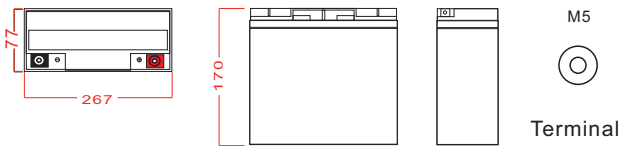
- > High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- > High Energy Density and Power Density
- > Excellent Charge Acceptance Ability
- > Strong High and Low Temperature Performance
- > Optimized Capability of instant High-current Discharging

Specification

Nominal Voltage	12V
Nominal Capacity	36.3Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx 10.0kg (22.1lbs)
Container Material	ABS
Rated Capacity	39.0Ah 10Hour Rate (3.9A to 10.5V) 36.3Ah 3Hour Rate (12.1A to 10.5V) 30.6Ah 1Hour Rate (30.6A to 10.5V)
Operating Temperature	Discharge: -20 ~50°C (-4 ~ 122°F) Charge: -20 ~50°C (-4 ~ 122°F) Storage: -20 ~50°C (-4 ~ 122°F)
Charge Method (25 °C)	Float Use: 13.7-13.9V@25°C Cycle Use :14.7-14.9V,@25°C Max charge current 7.26A
Self discharge	3% of capacity declined per month at 25°C



Dimension: 267(L)×77(W)×170(H)×170(TH) Unit: mm



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

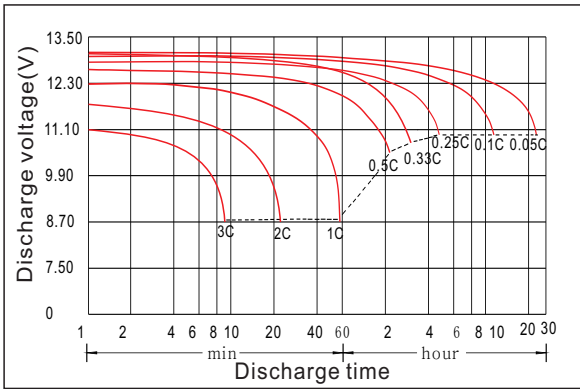
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	168.0	90.0	54.0	31.5	17.5	12.5	7.72	4.96	4.01	2.24
1.65V	162.8	87.3	53.1	31.3	17.4	12.4	7.67	4.92	3.98	2.23
1.70V	156.6	85.3	52.2	31.1	17.3	12.2	7.55	4.88	3.94	2.22
1.75V	144.1	82.7	51.7	30.6	17.0	12.1	7.50	4.84	3.90	2.20
1.80V	128.6	76.8	49.5	29.9	16.7	12.0	7.33	4.81	3.86	2.19
1.85V	115.1	69.9	45.1	27.6	15.8	11.2	6.93	4.61	3.74	2.15

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

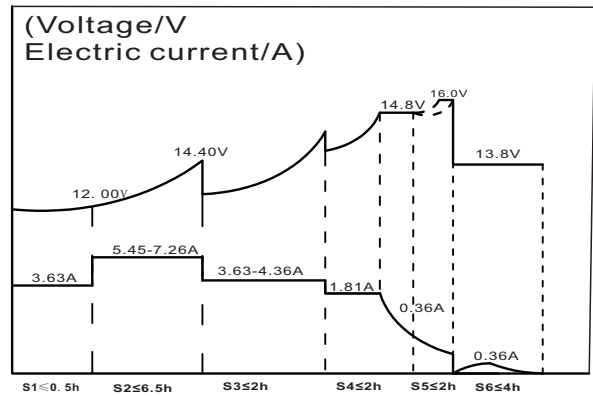
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	281.0	158.6	97.8	59.3	33.1	23.82	14.62	9.69	7.83	4.47
1.65V	270.6	155.5	97.2	58.9	33.0	23.44	14.62	9.51	7.77	4.45
1.70V	269.6	154.5	96.7	58.4	32.9	23.44	14.53	9.51	7.66	4.42
1.75V	250.9	153.5	96.5	58.0	32.7	23.25	14.35	9.42	7.60	4.40
1.80V	230.2	144.1	93.9	57.5	32.6	23.15	14.26	9.42	7.49	4.38
1.85V	205.3	129.6	86.1	53.4	31.1	22.01	13.55	9.06	7.38	4.24

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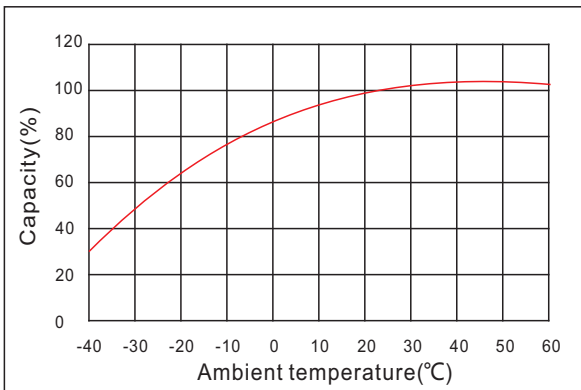
Discharge characteristic



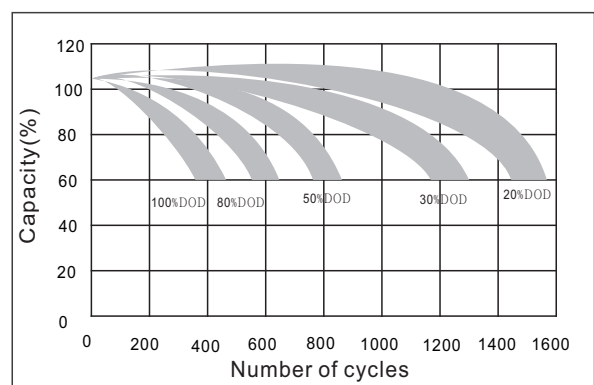
Charging characteristic



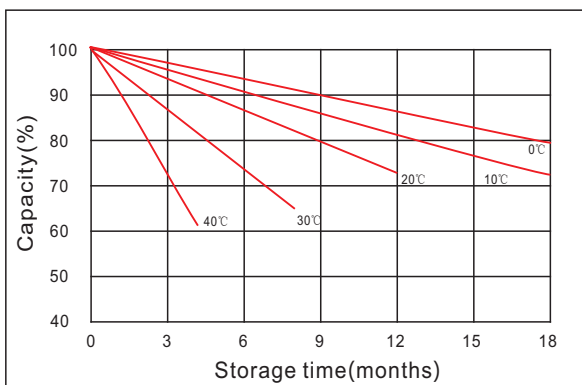
The effect of temperature on capacity



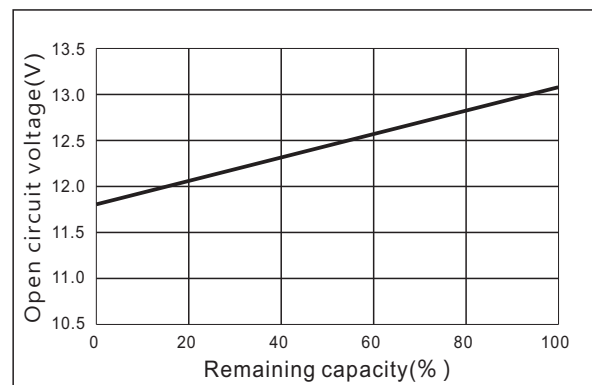
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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