

## 6-DZF-36.3

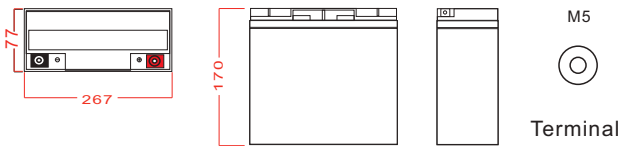


### General Features

- 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



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



### Applications

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

### Specification

Nominal Voltage	12V
Nominal Capacity	36.3Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx10.0kg (22.1lbs)
Container Material	ABS
Rated Capacity	<b>46.4Ah</b> 10Hour Rate (4.64A to 10.5V) <b>36.3Ah</b> 2Hour Rate (18.2A to 10.5V) <b>31.7Ah</b> 1Hour Rate (31.7A 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

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

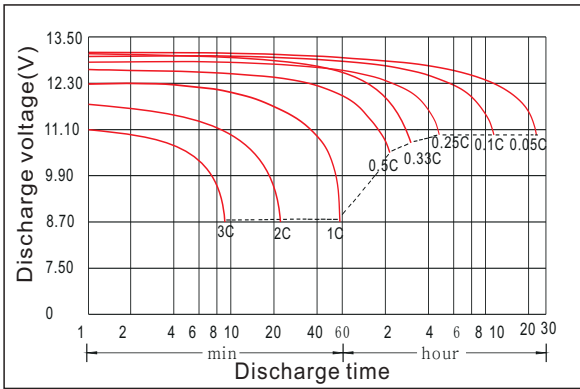
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	171	91.7	55.7	32.5	18.7	13.8	9.09	5.84	4.80	2.52
1.65V	165	88.7	54.9	32.5	18.6	13.7	9.01	5.79	4.75	2.50
1.70V	159	86.8	53.8	32.2	18.5	13.5	8.92	5.73	4.69	2.49
1.75V	146	84.1	53.2	31.7	18.2	13.3	8.82	5.70	4.64	2.48
1.80V	131	78.3	51.0	30.8	17.8	13.3	8.57	5.65	4.61	2.46
1.85V	117	69.9	46.7	28.7	16.9	12.5	8.16	5.40	4.48	2.42

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

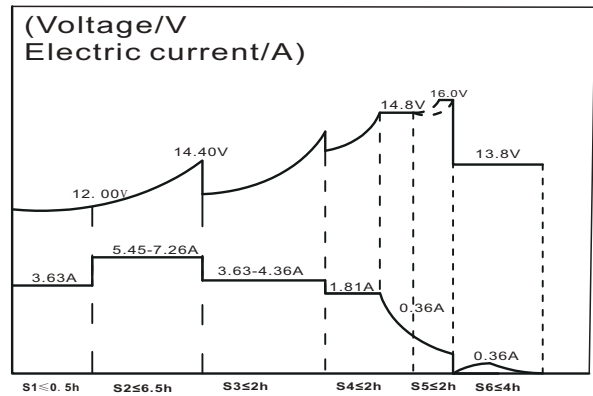
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	287	161	101	61.7	35.2	26.3	17.2	11.3	9.23	4.97
1.65V	276	159	100	61.1	35.2	26.0	17.2	11.2	9.12	4.94
1.70V	273	157	99.9	60.6	35.2	25.8	17.0	11.2	9.03	4.94
1.75V	255	156	99.3	60.0	34.9	25.7	16.9	11.1	8.92	4.91
1.80V	234	147	96.9	59.8	34.7	25.6	16.7	11.0	8.84	4.89
1.85V	209	132	89.0	55.4	33.3	24.3	16.0	10.6	8.71	4.83

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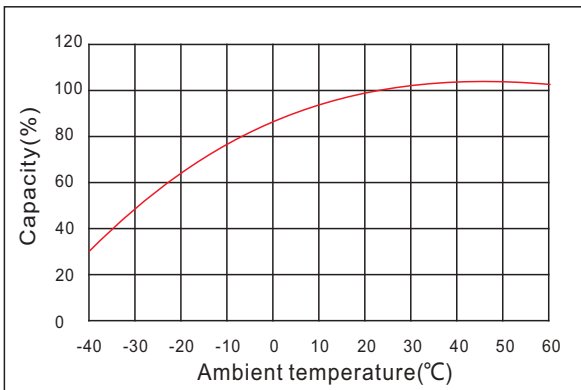
Discharge characteristic



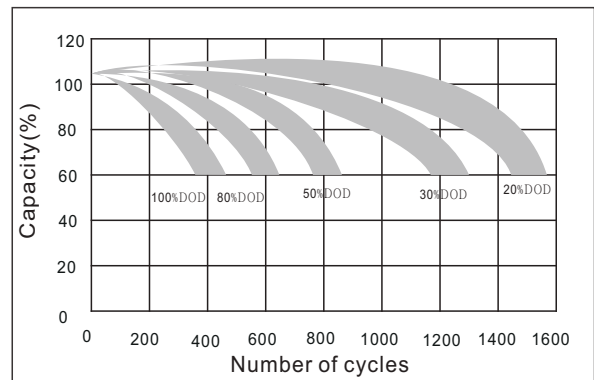
Charging characteristic



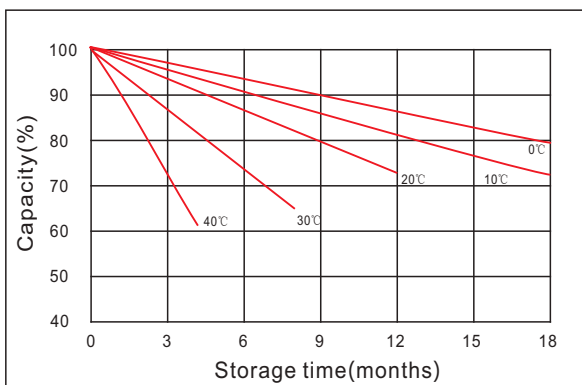
The effect of temperature on capacity



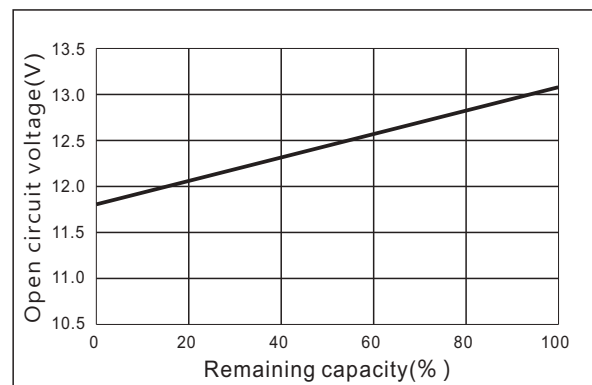
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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