



Electric vehicle battery expert

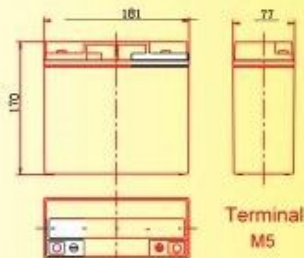
**MODEL : 6-DZM-21(12V21Ah)**

**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	181mm±1.5mm
Width	77mm±1.5mm
Height	170mm±1.5mm
Total Height	170mm±1.5mm
Weight	6.95kg



**Applications**

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

**Product Specification**

Nominal Voltage:

12V

Rated Capacity:

10Hour Rate (2.50A to 10.5V)	25Ah
2Hour Rate (10.0A to 10.5V)	20Ah
1Hour Rate (17.0A to 10.5V)	17Ah

Self discharge Range:

3%/month(25°C)

Operating Temperature Range:

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

Charging Methods:

Floating Use	13.7V~13.9V(25°C)
Cycling Use	14.7V~14.9V(25°C)
Max Charge Current	3.0A

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

FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10 h	20h
1.60V	93.4	50.2	30.5	17.8	10.2	7.59	4.99	3.23	2.63	1.38
1.65V	90.6	48.7	30.0	17.7	10.2	7.51	4.94	3.21	2.60	1.37
1.70V	87.0	47.6	29.5	17.6	10.1	7.40	4.88	3.18	2.58	1.36
1.75V	80.0	46.1	29.2	17.4	10.0	7.32	4.83	3.16	2.55	1.36
1.80V	71.7	42.9	28.0	16.9	9.77	7.27	4.70	3.13	2.53	1.35
1.85V	63.9	38.3	25.5	15.7	9.28	6.84	4.47	3.06	2.45	1.33

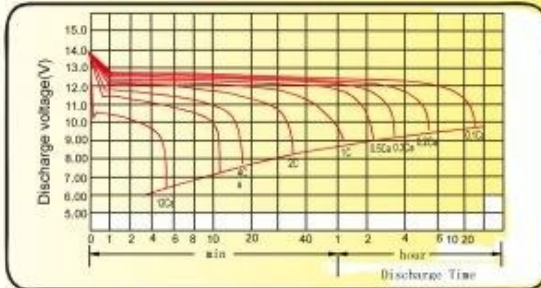
Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

FV/Time	5M	15M	30M	1h	2h	3h	5h	8h	10 h	20h
1.60V	157	88.4	55.2	33.8	19.4	14.4	9.46	6.24	5.05	2.73
1.65V	151	86.9	54.7	33.5	19.3	14.2	9.41	6.19	5.00	2.71
1.70V	150	85.8	54.7	33.2	19.2	14.2	9.33	6.14	4.95	2.70
1.75V	140	85.3	54.5	33.0	19.1	14.1	9.28	6.09	4.90	2.69
1.80V	128	80.6	53.2	32.7	19.1	14.0	9.17	6.03	4.85	2.68
1.85V	115	72.1	48.7	30.4	18.2	13.3	8.76	5.86	4.77	2.65

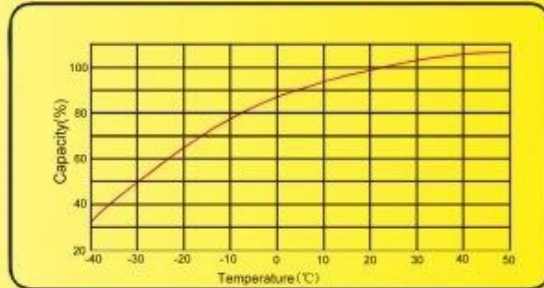
Electric vehicle battery expert

## MODEL: 6-DZM-21 (12V21 Ah)

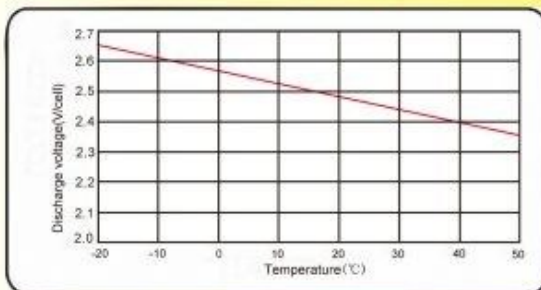
Discharge Characteristic Curve



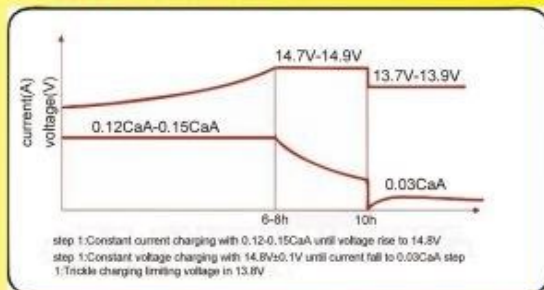
Effect of temperature on capacity



Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life

