

GENERAL FEATURES

- Electric Vehicle/Bike/Tricycle
- Electric Wheelchair
- Electric Scooter
- Electric play Car for children
- Garbage Truck
- Patrol Car

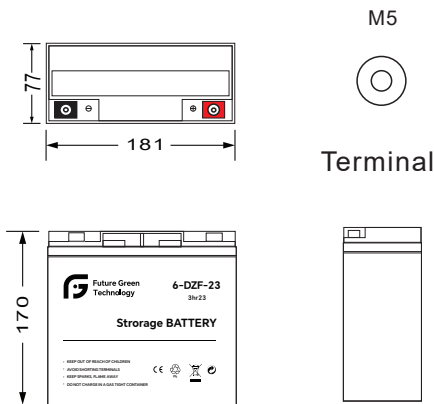
GENERAL FEATURES

- High Corrosion Resistant Performance: Pb-Camulti-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



MEASUREMENT

Dimension: 181(L)×77(W)×170(H)×170(TH) Unit: mm



PERFORMANCE SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity (2hour rate)	23Ah	
Design Life @25°C	5 years	
Terminal	M5	
Approx. Weight	6.85kg (15.1lbs)	
Container Material	ABS	
Rated Capacity	10 hour rate (2.50A to 10.5V)	25.0Ah
	2 hour rate (11.5A to 10.5V)	23.0Ah
	1 hour rate (18.4A to 10.5V)	18.4Ah
Discharge Temperature	-20~50°C	
Charge Temperature	-20~40°C	
Storage Temperature	-20~50°C	
Float use Charge (Constant Voltage) @25°C	13.6~13.9V	
Cycle Use Charge (Constant Voltage) @25°C	14.7-14.9V	
Self discharge @25°C	3% of capacity declined per month	
Maximum charging current	4.6A	

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

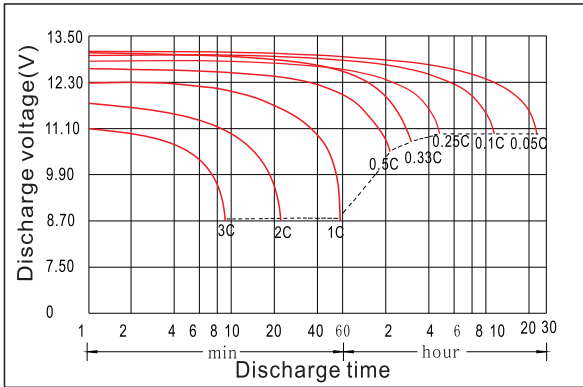
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	96.40	57.00	34.000	19.000	11.800	8.170	4.940	3.170	2.570	1.457
1.65V	93.80	55.30	33.400	18.900	11.700	8.090	4.900	3.150	2.540	1.448
1.70V	90.20	54.10	32.800	18.800	11.600	7.970	4.830	3.100	2.530	1.439
1.75V	82.60	52.40	32.500	18.400	11.500	7.900	4.800	3.080	2.500	1.430
1.80V	74.00	48.70	31.100	18.000	11.300	7.850	4.680	3.000	2.470	1.421
1.85V	66.10	43.700	28.400	16.700	10.700	7.390	4.430	2.840	2.400	1.394

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

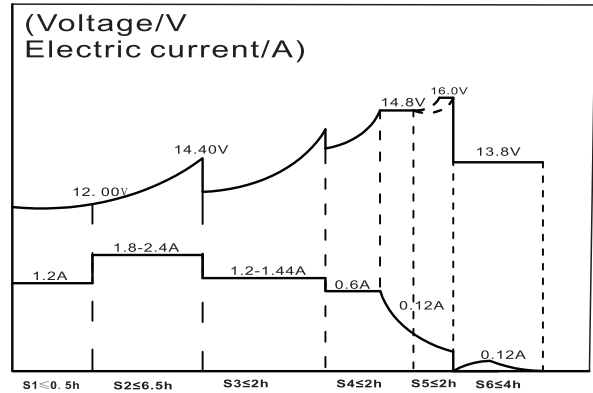
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	146.40	91.40	55.800	32.600	20.300	14.100	8.490	5.600	4.480	2.600
1.65V	141.10	89.50	55.400	32.300	20.300	13.910	8.470	5.540	4.460	2.600
1.70V	140.20	88.70	55.300	32.100	20.200	13.820	8.400	5.450	4.390	2.580
1.75V	130.40	88.00	55.100	31.800	20.000	13.770	8.330	5.440	4.360	2.560
1.80V	120.50	83.00	53.600	31.600	19.900	13.730	8.270	5.310	4.290	2.550
1.85V	107.10	74.400	49.100	29.400	19.100	13.070	7.870	5.060	4.220	2.530

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

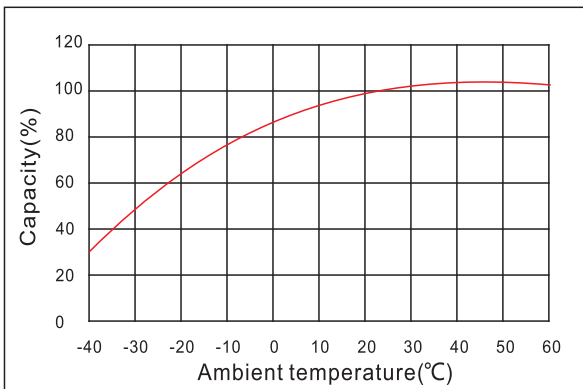
Discharge characteristic



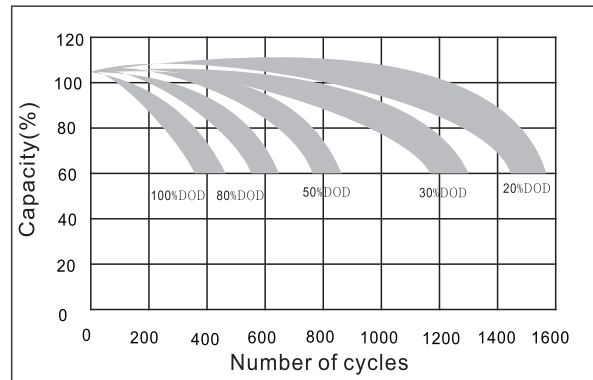
Charging characteristic



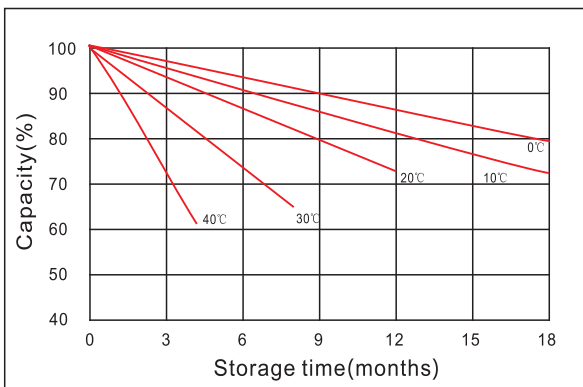
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

