

GENERAL FEATURES

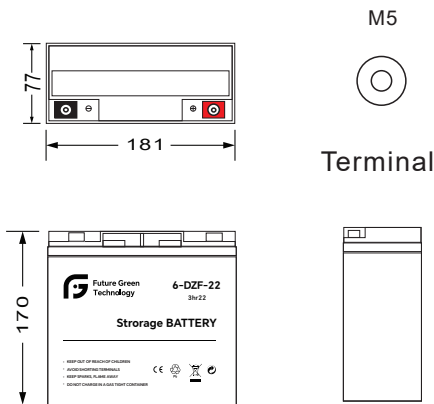
- Electric Vehicle/Bike/Tricycle
- Electric Wheelchair
- Electric Scooter
- Electric play Car for children
- Garbage Truck
- Patrol Car

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)	22Ah	
Design Life @25°C	5 years	
Terminal	M5	
Approx. Weight	6.50kg (14.36lbs)	
Container Material	ABS	
Rated Capacity	10 hour rate (2.45A to 10.5V)	24.5Ah
	2 hour rate (11.0A to 10.5V)	22.0Ah
	1 hour rate (17.0A to 10.5V)	17.0Ah
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)

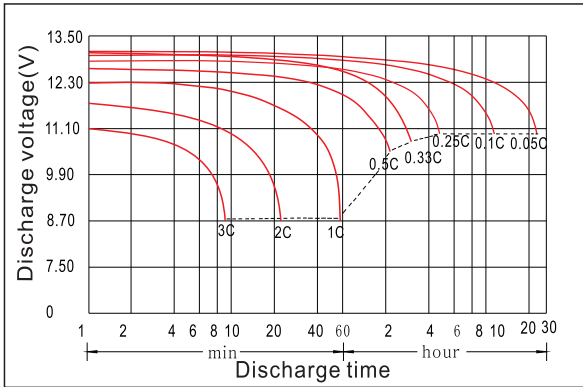
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	95.00	54.00	32.000	17.500	11.290	7.860	4.830	3.100	2.520	1.396
1.65V	92.40	52.40	31.500	17.400	11.190	7.780	4.800	3.080	2.490	1.387
1.70V	88.80	51.30	30.900	17.300	11.100	7.670	4.730	3.030	2.470	1.379
1.75V	81.40	49.60	30.500	17.000	11.000	7.600	4.700	3.020	2.450	1.370
1.80V	72.90	46.20	29.300	16.600	10.810	7.550	4.580	2.940	2.420	1.361
1.85V	65.10	41.400	26.700	15.400	10.230	7.110	4.340	2.780	2.350	1.335

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

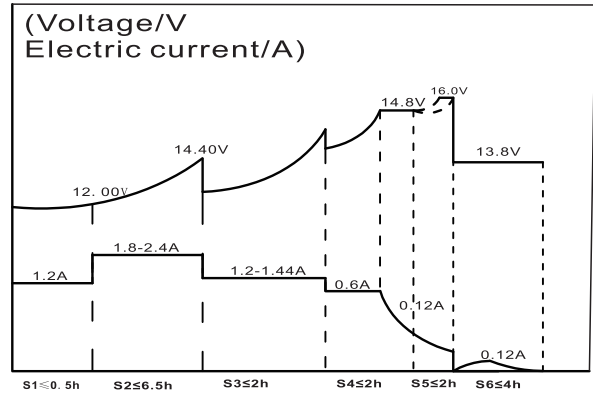
F.V/Time	5Min	15Min	30Min	1h	2h	3h	5h	8h	10h	20h
1.60V	144.30	86.50	52.500	30.100	19.400	13.560	8.320	5.480	4.390	2.500
1.65V	139.00	84.80	52.100	29.800	19.400	13.380	8.290	5.420	4.370	2.490
1.70V	138.10	84.00	52.000	29.600	19.300	13.290	8.220	5.340	4.300	2.470
1.75V	128.40	83.40	51.900	29.300	19.100	13.250	8.160	5.330	4.270	2.450
1.80V	118.70	78.60	50.400	29.200	19.000	13.210	8.100	5.200	4.200	2.440
1.85V	105.60	70.500	46.200	27.100	18.300	12.580	7.710	4.950	4.140	2.430

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.

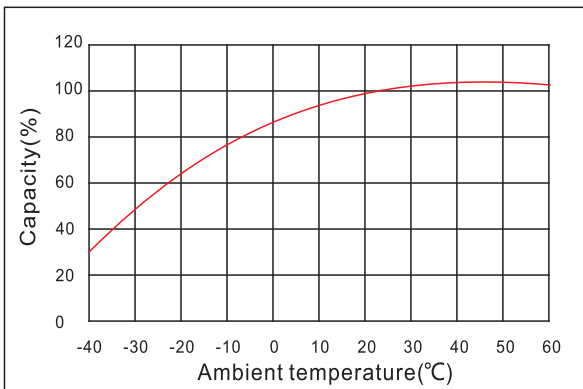
Discharge characteristic



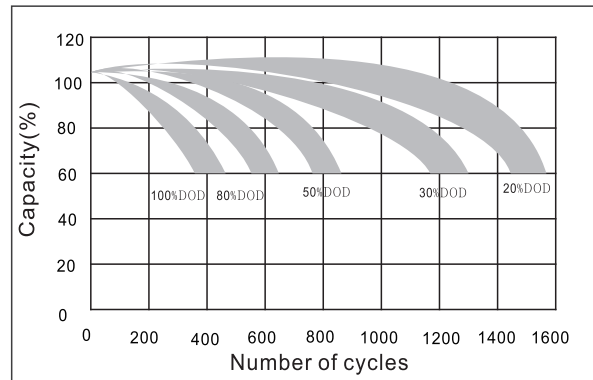
Charging characteristic



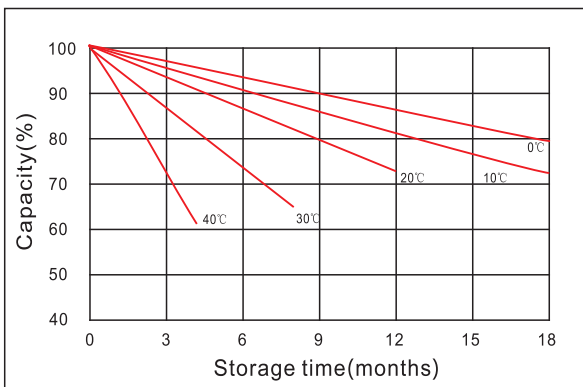
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

