

GENERAL FEATURES

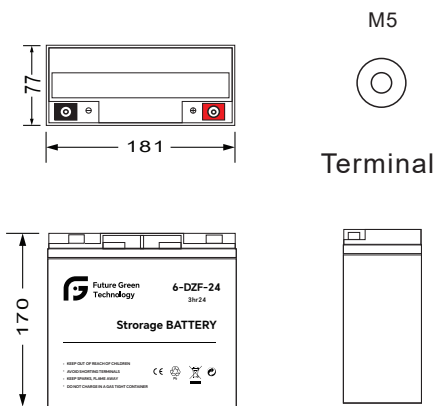
- Electric Vehicle/Bike/Tricycle
- Electric Wheelchair
- Electric Scooter
- Electric play Car for children
- Garbage Truck
- Patrol Car

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)	24Ah	
Design Life @25°C	5 years	
Terminal	M5	
Approx. Weight	6.85kg (15.1lbs)	
Container Material	ABS	
Rated Capacity	10 hour rate (2.60A to 10.5V)	26.0Ah
	2 hour rate (12.0A to 10.5V)	24.0Ah
	1 hour rate (20.0A to 10.5V)	20.0Ah
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	4.8A	

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

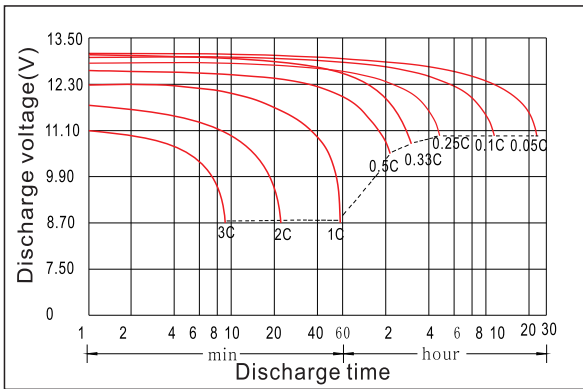
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	110.10	59.00	36.000	20.600	12.310	8.480	5.140	3.300	2.670	1.529
1.65V	107.00	57.30	35.400	20.500	12.210	8.390	5.110	3.280	2.640	1.519
1.70V	102.90	56.00	34.800	20.400	12.100	8.280	5.030	3.230	2.630	1.510
1.75V	94.30	54.20	34.400	20.000	12.000	8.200	5.000	3.210	2.600	1.500
1.80V	84.50	50.40	32.900	19.500	11.790	8.150	4.880	3.130	2.560	1.490
1.85V	75.40	45.200	30.100	18.100	11.170	7.670	4.620	2.960	2.490	1.462

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

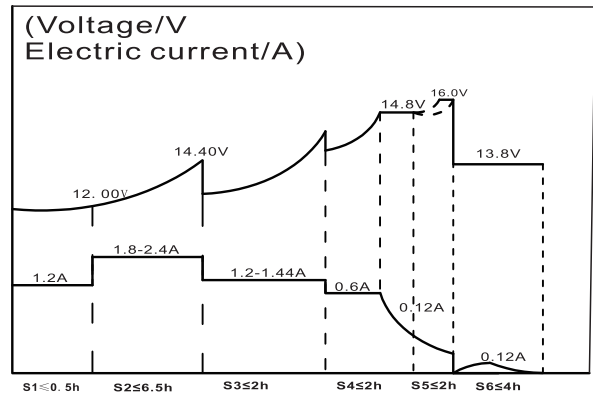
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	167.10	94.60	59.000	35.400	21.200	14.640	8.850	5.830	4.660	2.730
1.65V	161.00	92.60	58.600	35.000	21.200	14.440	8.820	5.770	4.640	2.720
1.70V	160.00	91.80	58.500	34.800	21.100	14.350	8.750	5.680	4.570	2.700
1.75V	148.80	91.10	58.300	34.500	20.900	14.300	8.680	5.670	4.530	2.680
1.80V	137.60	85.90	56.700	34.300	20.800	14.250	8.610	5.530	4.460	2.680
1.85V	122.30	77.000	52.000	31.900	19.900	13.570	8.200	5.270	4.390	2.660

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.

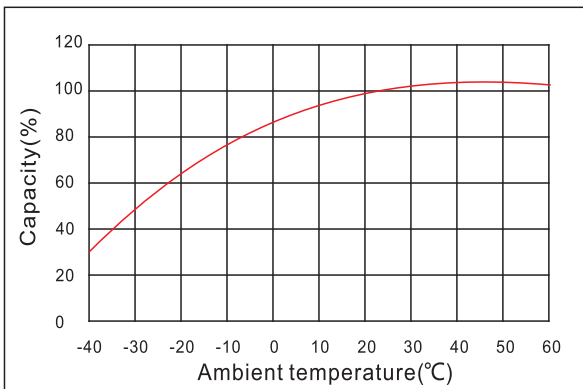
Discharge characteristic



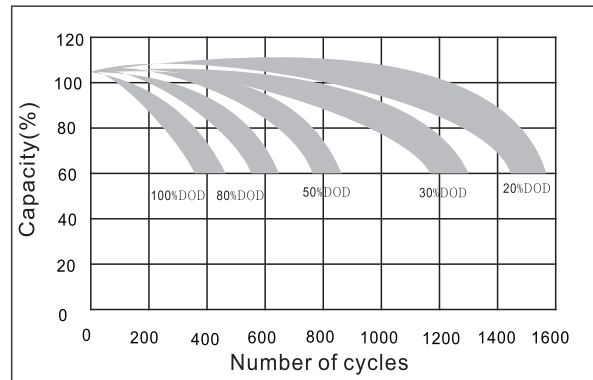
Charging characteristic



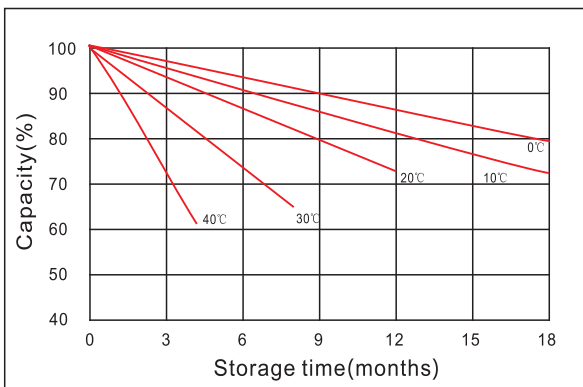
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

