

GENERAL FEATURES

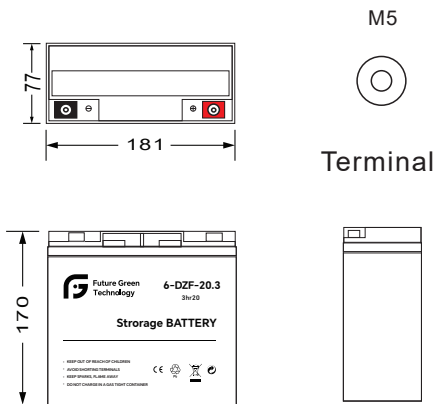
- Electric Vehicle/Bike/Tricycle
- Electric Wheelchair
- Electric Scooter
- Electric play Car for children
- Garbage Truck
- Patrol Car

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)	20Ah	
Design Life @25°C	5 years	
Terminal	M5	
Approx. Weight	6.35kg (14.03lbs)	
Container Material	ABS	
Rated Capacity	10 hour rate (2.42A to 10.5V)	24.2Ah
	2 hour rate (10.45A to 10.5V)	20.9Ah
	1 hour rate (16.2A to 10.5V)	16.2Ah
Discharge Temperature	-20~50°C	
Charge Temperature	-20~40°C	
Storage Temperature	-20~50°C	
SFloat use Charge (Constant Voltage) @25°C	13.6~13.9V	
Cycle Use Charge (Constant Voltage) @25°C	14.7-14.9V	
Maximum charging current	4.0A	
Self discharge @25°C	3% of capacity declined per month	

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

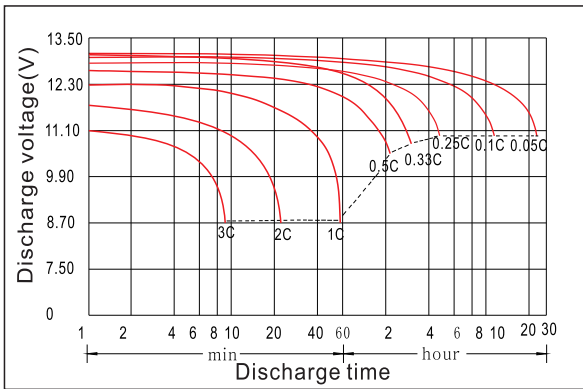
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	95.50	51.20	29.900	16.700	10.720	7.440	4.750	3.060	2.490	1.304
1.65V	92.90	49.70	29.400	16.600	10.640	7.370	4.720	3.040	2.460	1.296
1.70V	89.30	48.60	28.900	16.500	10.540	7.270	4.640	2.990	2.440	1.288
1.75V	81.80	47.00	28.500	16.200	10.450	7.200	4.620	2.970	2.420	1.280
1.80V	73.30	43.70	27.400	15.800	10.270	7.160	4.500	2.900	2.390	1.272
1.85V	65.40	39.200	25.000	14.700	9.720	6.730	4.270	2.740	2.320	1.248

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

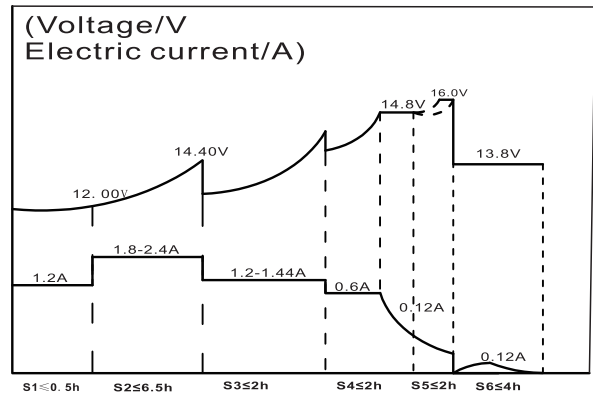
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	145.00	82.00	49.000	28.700	18.400	12.850	8.180	5.400	4.340	2.340
1.65V	139.70	80.40	48.700	28.400	18.400	12.680	8.140	5.350	4.320	2.330
1.70V	138.90	79.70	48.600	28.100	18.300	12.600	8.080	5.270	4.240	2.310
1.75V	129.10	79.10	48.400	27.900	18.200	12.550	8.010	5.250	4.210	2.300
1.80V	119.40	74.50	47.100	27.700	18.100	12.510	7.950	5.120	4.150	2.290
1.85V	106.10	66.900	43.100	25.800	17.400	11.920	7.580	4.880	4.080	2.270

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.

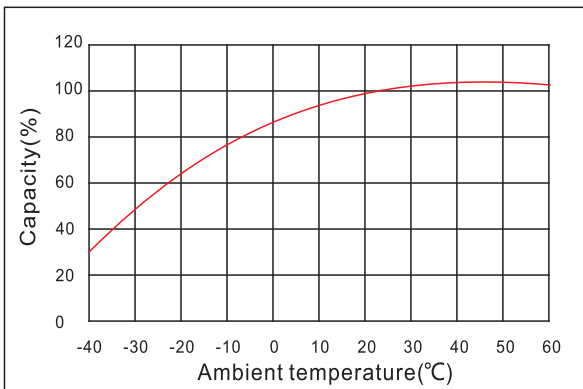
Discharge characteristic



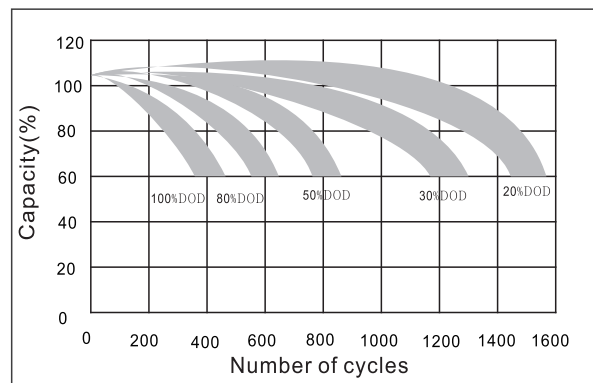
Charging characteristic



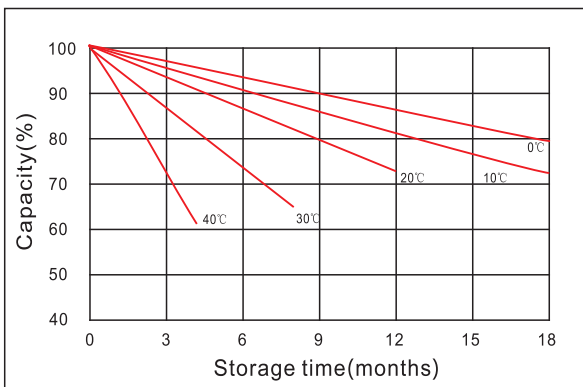
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

