

GENERAL FEATURES

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



GENERAL FEATURES

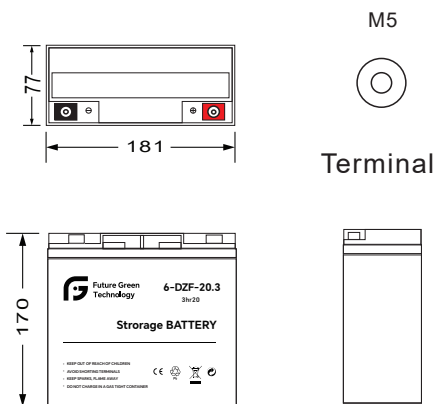
- High Corrosion Resistant Performance: Pb-Camulti-alloy grid
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Strong High and Low-Temperature Performance
- Optimized Capability of instant High-current Discharging
- Low self-discharge rate

PERFORMANCE SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity (2hour rate)	20Ah	
Design Life @25°C	5 years	
Terminal	M5	
Approx. Weight	4.35kg (9.60lbs)	
Container Material	ABS	
Rated Capacity	10 hour rate (2.4A to 10.5V)	24.0Ah
	2 hour rate (10.15A to 10.5V)	20.3Ah
	1 hour rate (16.0A to 10.5V)	16.0Ah
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	
Maximum charging current	4.0A	
Self discharge @25°C	3% of capacity declined per month	

MEASUREMENT

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



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

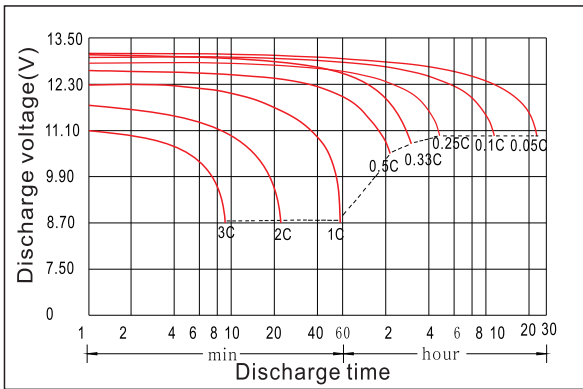
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	93.30	50.00	30.000	16.500	10.410	7.340	4.730	3.040	2.470	1.284
1.65V	90.70	48.50	29.500	16.400	10.330	7.270	4.700	3.020	2.440	1.276
1.70V	87.20	47.50	29.000	16.300	10.240	7.170	4.620	2.970	2.420	1.268
1.75V	79.90	45.90	28.600	16.000	10.150	7.100	4.600	2.950	2.400	1.260
1.80V	71.60	42.70	27.500	15.600	9.970	7.060	4.480	2.880	2.370	1.252
1.85V	63.90	38.300	25.100	14.500	9.440	6.640	4.250	2.720	2.300	1.228

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

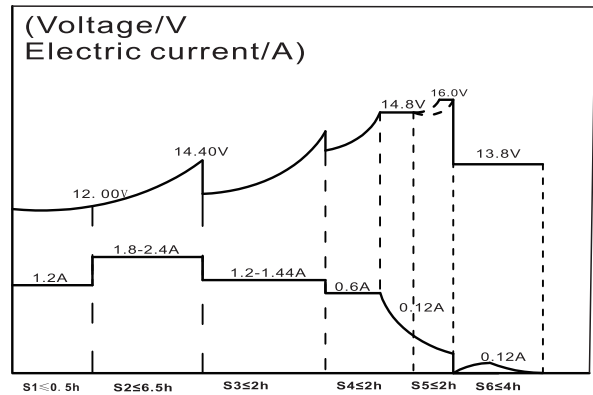
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	141.60	80.10	49.200	28.300	17.900	12.670	8.140	5.360	4.300	2.300
1.65V	136.40	78.50	48.900	28.000	17.900	12.500	8.110	5.310	4.280	2.290
1.70V	135.60	77.80	48.800	27.800	17.800	12.420	8.050	5.230	4.210	2.270
1.75V	126.10	77.20	48.600	27.600	17.700	12.380	7.980	5.210	4.180	2.260
1.80V	116.60	72.80	47.300	27.400	17.600	12.340	7.920	5.090	4.120	2.250
1.85V	103.60	65.300	43.300	25.500	16.900	11.750	7.550	4.850	4.050	2.230

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.

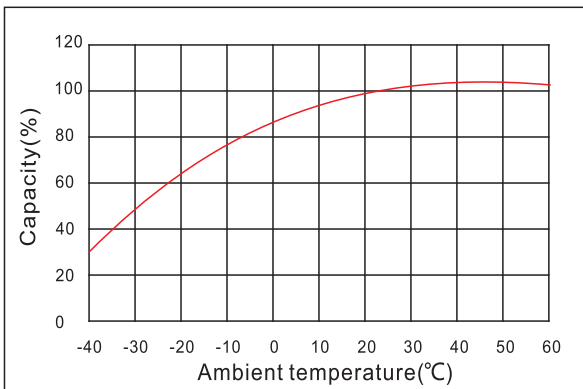
Discharge characteristic



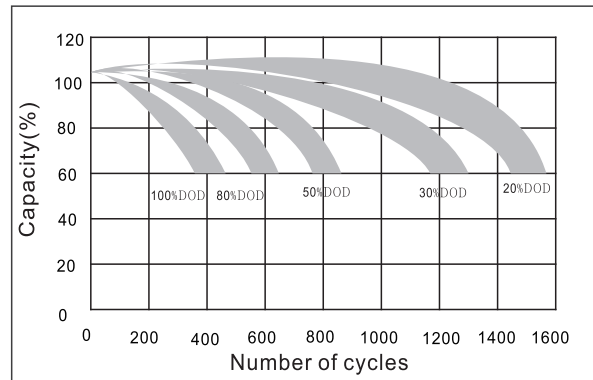
Charging characteristic



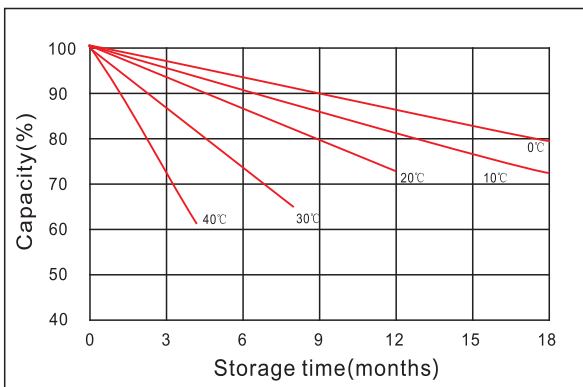
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

