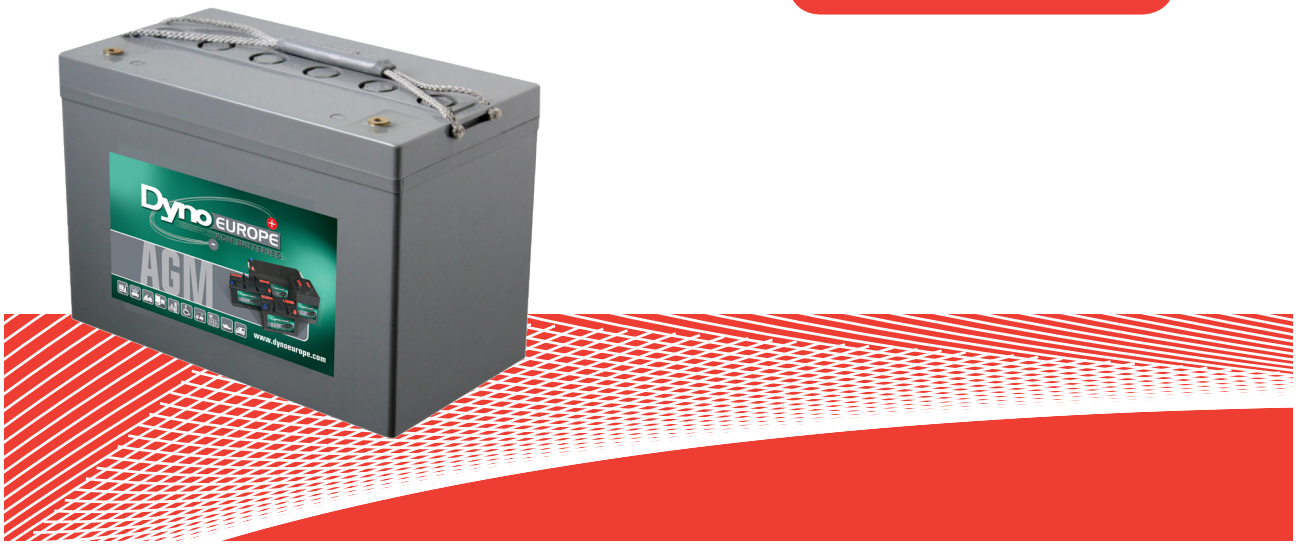
TECHNICAL DATA SHEET

DAB12-80



General Features

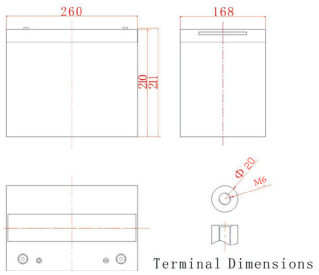
- High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- High Energy Density and Power Density
- Excellent Charge Acceptance Ability
- Strong High and Low Temperature Performance
- Optimized Capability of instant High-current Discharging
- Low self-discharge rate
- Excellent Deep Discharge Cycle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

Applications

Electric vehicle
Electric wheelchair
Electric scooter
Electric play car for children
Garbage truck
Patrol car

Dimension and Weight

Length	260mm±1.5mm
Width	168mm±1.5mm
Height	210mm±1.5mm
Total Height	211mm±1.5mm
Weight	26.5kg



Terminal Dimensions

Product Specification

Nominal Voltage:	
12V	
Rated Capacity:	
10Hour Rate	93.8Ah
3Hour Rate	81.0Ah
1Hour Rate	64.2Ah
Self discharge Rage:	
3%/month(25℃)	
Operating Temperature Range:	
Discharge	-20℃~50℃(-4℉~122℉)
Charge	-20℃~50℃(-4℉~122℉)
Storage	-20℃~50℃(-4℉~122℉)
Charging Methods:	
Floating Use	13.7V~13.9V(25℃)
Cycling Use	14.7V~14.9V(25℃)
Max Charge Current	12.0A

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Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	340	183	111	65.0	37.3	27.6	18.2	11.6	9.57	5.02
1.65V	330	177	109	64.7	37.1	27.4	18.0	11.6	9.48	5.00
1.70V	317	174	107	64.2	36.8	27.0	17.8	11.5	9.38	4.97
1.75V	291	168	107	63.2	36.3	26.7	17.6	11.4	9.29	4.95
1.80V	261	156	102	61.6	35.6	26.5	17.1	11.3	9.20	4.92
1.85V	233	140	93.0	57.1	33.8	24.9	16.3	10.8	8.92	4.84

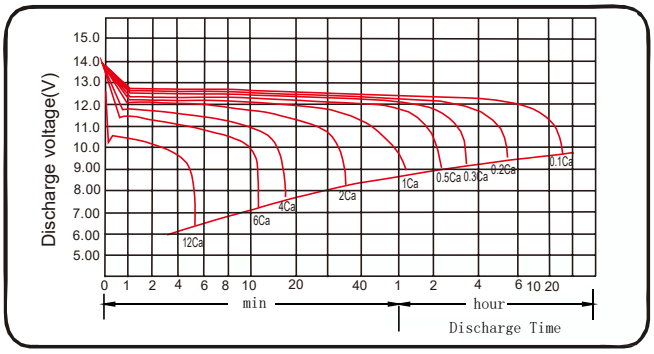
Constant Powert Discharge Characteristics Unit: W/cell (25℃, 77℉)

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	571	322	201	123	70.5	52.6	34.5	22.6	18.4	9.94
1.65V	549	316	199	122	70.3	51.9	34.3	22.5	18.2	9.89
1.70V	546	313	199	121	70.1	51.6	34.0	22.4	18.0	9.84
1.75V	509	311	198	120	69.7	51.3	33.8	22.2	17.8	9.80
1.80V	468	294	194	119	69.5	51.1	33.4	22.0	17.7	9.75
1.85V	418	263	178	111	66.4	48.6	31.9	21.2	17.4	9.66

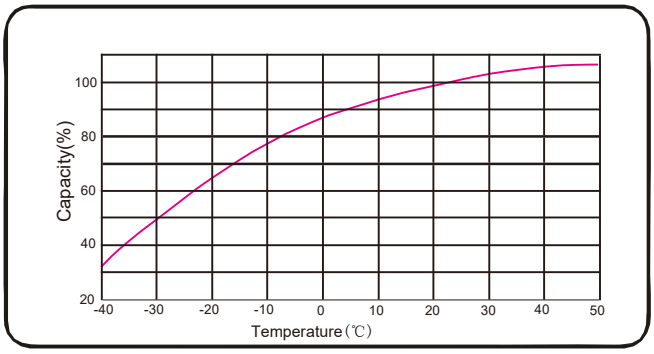
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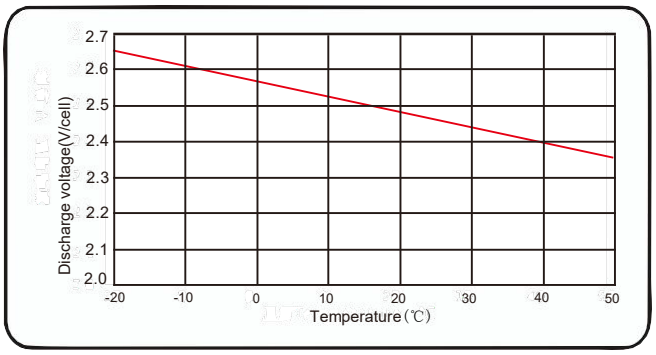
Discharge Characteristic Curve



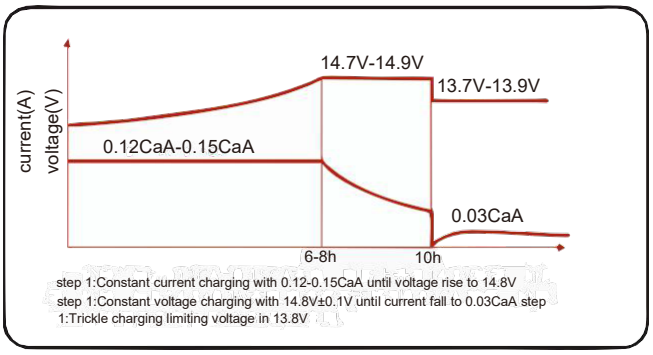
Effect of temperature on capacity



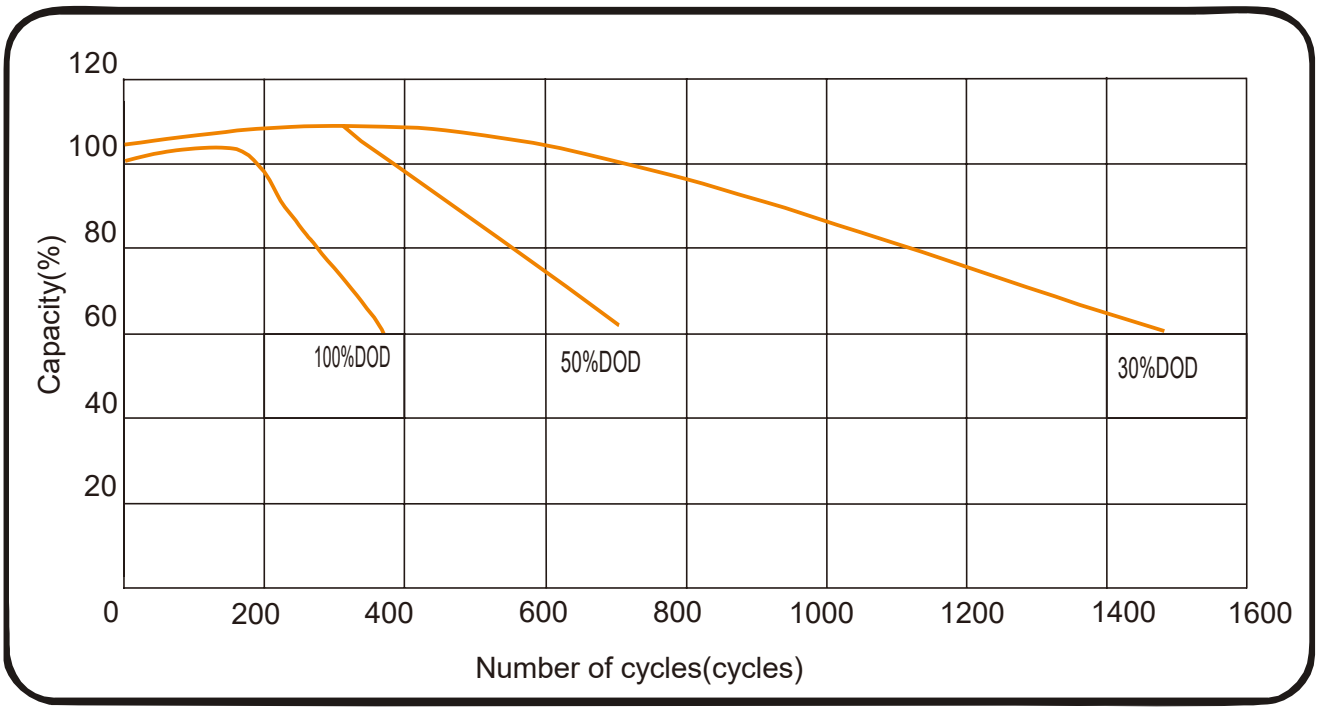
Effect of temperature on charge voltage



Charge Characteristic Curve



Cycle service life



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