

DM Series

3-DM-300 6V300Ah



DM series battery uses latest AGM technology with longer cycle life. It is suitable for large current and deep cyclic applications. It can be used in e-vehicles, sightseeing, golf and logistics cars.

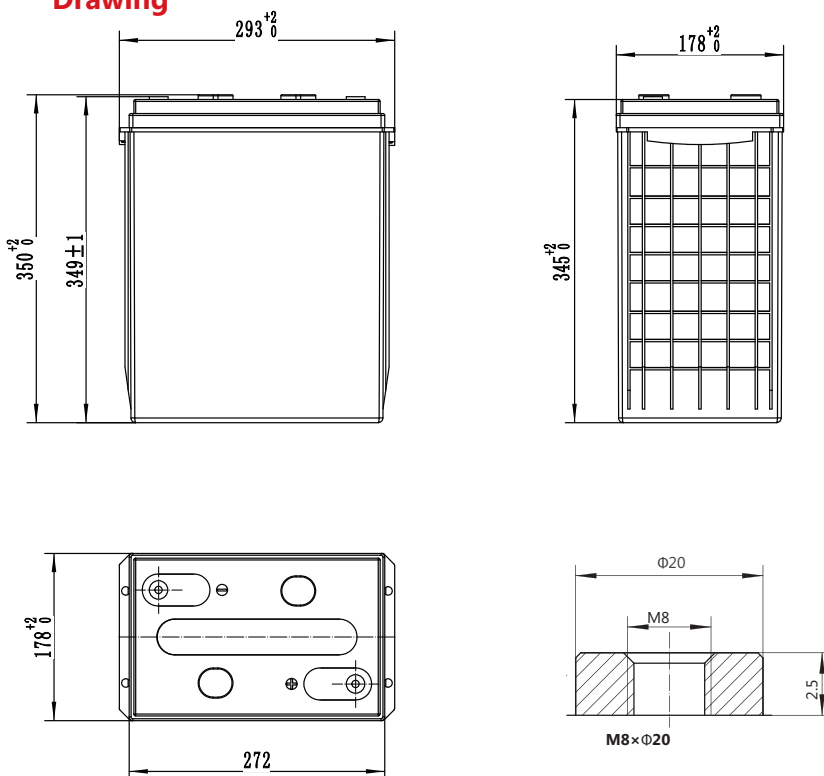
Benefits

- Up to 700 cycles 80% DOD
- Good large current discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

Applications

- Electrical Vehicle
- Mixture Electrical vehicle

Drawing



Standards

- GB/T 18332.1
- QC/T 742
- IEC61982-3
- GB/T 7403.1
- GB/T 23636

Specifications

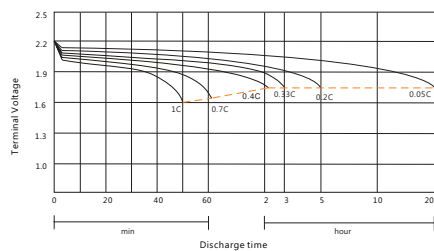
Battery Model	3-DM-300			
Design Life (80% DOD)	700 cycles			
Capacity (Ah, 25°C)	20HR (17.25A, 1.75V)	5HR (60A, 1.75V)	3HR (88.3A, 1.75V)	2HR(120A, 1.75V)
	345	300	280	240
Dimensions (mm)	Length	Width	Height	Total Height
	295	178	345	350
Approx. Weight (kg)	45.0			
Reference Internal Resistance (mΩ)	1.4 ±15% (full charged @ 25 °C , testing device:HIOKI BT3562)			
Maximum Discharge Current (A/10 Sec.)	2520			
Self-Discharge (25°C)	≤ 3% per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.45 (-3mV/°C/cell), max charge current: 42A		2.35 (-3mV/°C/cell)	

Discharge Data

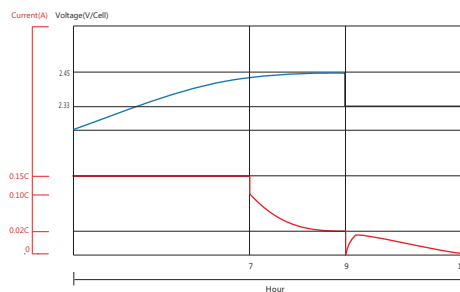
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min					h					
	10	20	30	45	60	1.5	2	3	5	10	20
1.60	732	450	334	248	201	149	123	94.5	60.9	33.44	17.44
1.65	718	444	331	246	200	148	122	93.9	60.6	33.27	17.36
1.70	707	439	329	245	199	147	121	93.5	60.4	33.14	17.30
1.75	664	422	318	239	195	145	120	93.3	60.0	33.00	17.25

Constant Power Discharge Data (25°C, W/cell)											
End Voltage (V/cell)	min					h					
	10	20	30	45	60	1.5	2	3	5	10	20
1.60	1285	818.7	618.5	467.8	383.4	289.9	239.0	176.4	120.0	66.54	34.87
1.65	1283	812.6	616.3	464.8	381.2	286.9	235.9	175.0	118.8	65.87	34.54
1.70	1282	808.0	611.7	462.5	378.1	284.8	234.4	173.9	117.8	65.29	34.26
1.75	1271	796.4	604.7	459.2	374.0	279.5	230.2	172.7	116.4	64.68	33.98

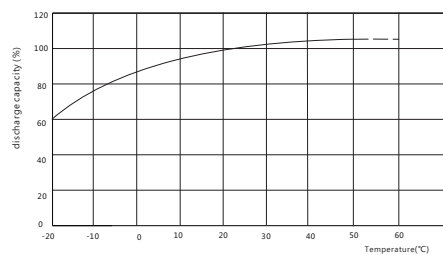
Performance Curve



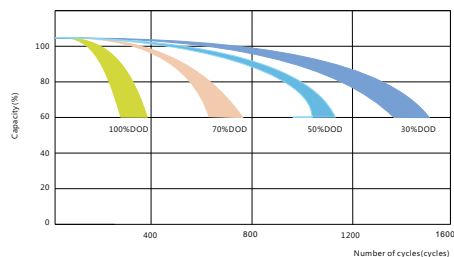
Discharging performance



Charge performance



Discharge capacity vs. temperature



Cycles vs. discharge depth

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