YİĞİTAKÜ
Moving Forward

12 V 200 AH AGM Battery

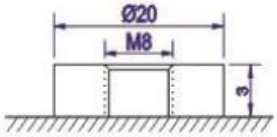
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use:up to 8 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle use 2: Up to 500 cycles at 50% DOD

Application:

*Telecommunications
*Uninterruptable Power Supply
*Electric Power System (EPS)
*Emergency backup power supply
*Alarm and security system
*Communication power supply
*DC power supply
*Auto control system

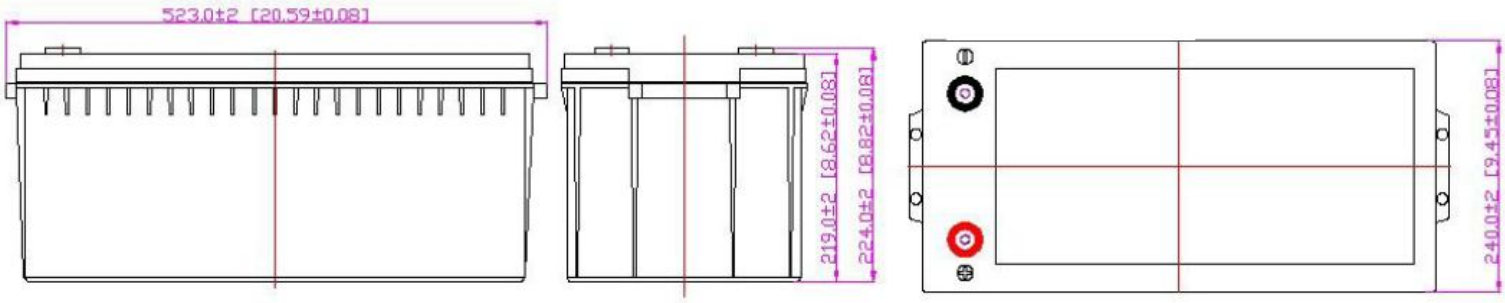
Construction:

Component .....Raw material
Positive .....Lead dioxide
Negative .....Lead
Container .....ABS
Cover .....ABS
Sealant .....Epoxy
Safety Valve .....Rubber
Terminal .....Copper
Separator .....Fiber glass
Electrolyte .....Sulfuric acid



M8 Bolt

B5 Terminal



Battery Model	YD 12-200			
Designed Floating Life	Up to 8 years @20-25˚C ambient temperature			
Capacity (25˚C)	20 HR (10.64 A,10.8 V)	10 HR (20.0 A, 10.5 V)	5 HR (35.63 A, 10.5 V)	1 HR (110.14 A, 10.5 V)
	212.80 AH	200.00 AH	178.15 AH	110.14AH
Dimensions	Lenght	Width	Height	Total Height
	523 mm	173 mm	217 mm	220 mm
Approx Weight	60 Kg ± %3			
Internal Resistance	Full charged @25˚C, equal or less than 4,8 mOhm			
Self Discharge	%2 capacity declined per month @25˚C			
Capacity Affected By Temperature (20 HR)	40˚C	25˚C	0˚C	-15˚C
	%102	%100	%85	%65
Caherge Voltage (25˚C)	Cycle Use		Float Use	
	14.4-14.6 V (-30 m V/˚C), max. Current:60.0 A		13.50 - 13.80 V (-20 m V/˚C)	

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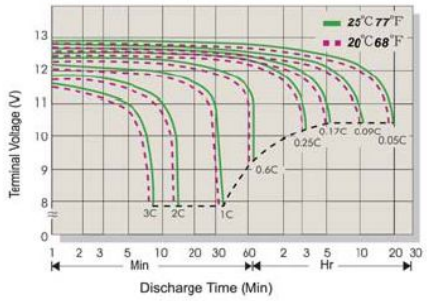
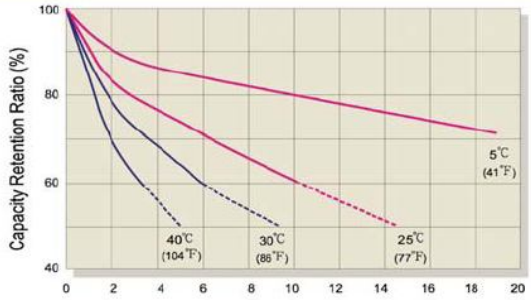
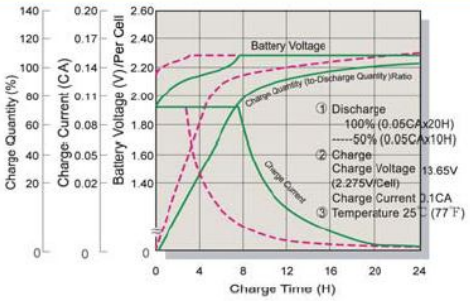
Terminal Voltage (V) and Discharge Time



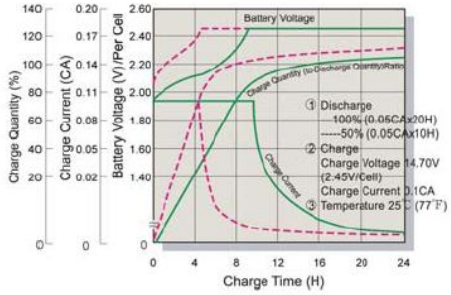
Capacity Retention Characteristic



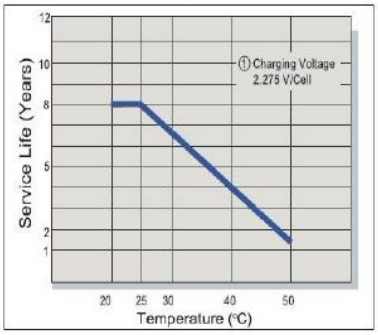
Battery Vlotage and Charge Time for Standby Use



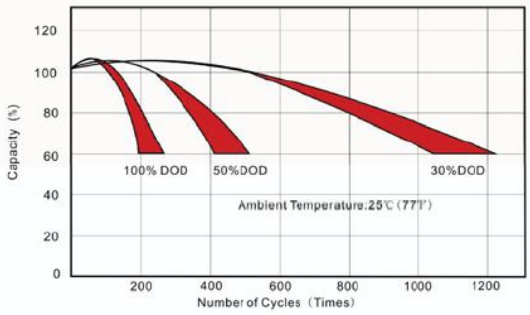
Battery Vlotage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



Constant Current Discharge(CC,Unit:A) at 25℃(77℉)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	629.2	428.1	293.1	178.24	109.21	68.16	52.99	41.68	35.33	23.60	20.00	10.64
1.75V/Cell	634.6	431.7	295.6	179.75	110.14	68.74	53.44	42.03	35.63	23.80	20.36	10.80
1.70V/Cell	650.4	442.5	303.0	184.25	112.89	70.45	54.77	43.08	36.52	24.40	20.66	10.96
1.67V/Cell	666.3	453.3	310.4	188.74	115.65	72.17	56.11	44.13	37.41	24.99	20.92	11.12
1.60V/Cell	696.0	473.5	324.2	197.14	120.79	75.39	58.61	46.10	39.07	26.10	21.38	11.28
Constant Power Discharge (CP,Unit:W) at 25℃(77℉)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	1227	835	572	347.6	213.0	132.91	103.33	81.27	68.89	46.02	39.00	20.74
1.75V/Cell	1237	842	576	350.5	214.8	134.03	104.21	81.96	69.47	46.41	39.70	21.06
1.70V/Cell	1268	863	591	359.3	220.1	137.39	106.81	84.01	71.21	47.57	40.29	21.37
1.67V/Cell	1299	884	605	368.0	225.5	140.74	109.42	86.06	72.94	48.73	40.79	21.68
1.60V/Cell	1357	923	632	384.4	235.5	147.00	114.29	89.89	76.19	50.90	41.69	21.99

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