

AGM G+ 12-100

Offers a special AGM separator adding gel electrolyte. This innovative combination prevents acid stratification, improving the shallow cycle life.

AGM G+

by **SD**DirectPro



HIGH PERFORMANCE

- 2400 cycles at 20% discharge
- 100Ah capacity at 20 hours discharge
- Low internal resistance for high current discharge applications



BACK-UP AND OFF-GRID USES

- Free maintenance thanks to regulation valves



HIGH QUALITY

- 10 year designed life
- Compliant with IEC 60896-21/22

GEL
ELECTROLYTE

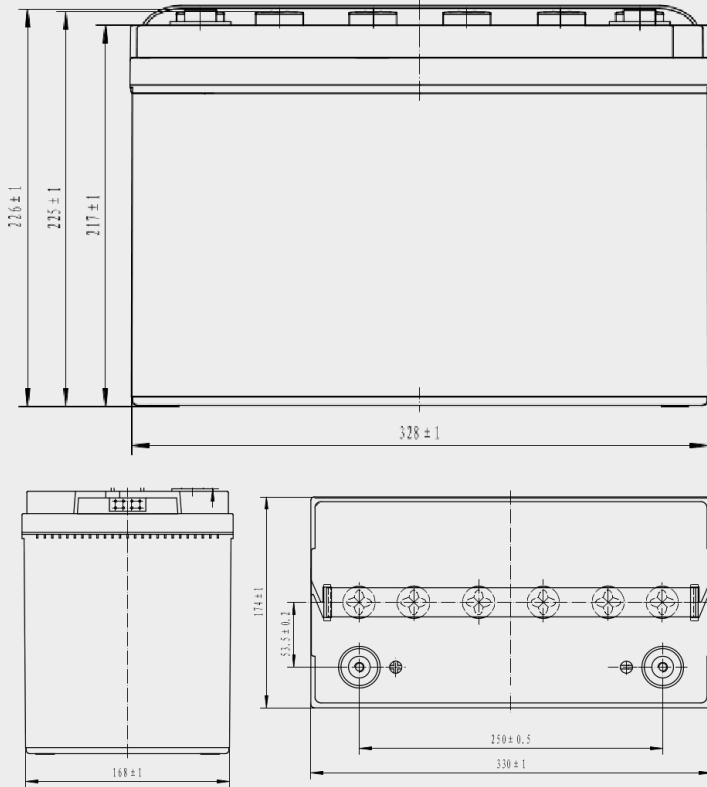


AGM G+

The AGM technology combined with gel electrolyte for a long shallow cycle life



AGM G+ 12-100



Product characteristics at 25°C

Dimensions	330 x 174 x 225 mm
Weight	29.8 kg
Expected life	10 years*
Internal resistance	4.20 mΩ
Self discharge rate	≤ 1.5% per month
Max charge current	20A
Max discharge current	1000A/5 sec

Rated capacity at 25°C and 1.8V per cell

C20	C10	C5
100 Ah	93 Ah	85 Ah

C20, C10, C5 = capacity at 20, 10, 5h discharge

Charge Voltage at 25°C

Cycle use	14.4 V
*Standby use	13.5 V

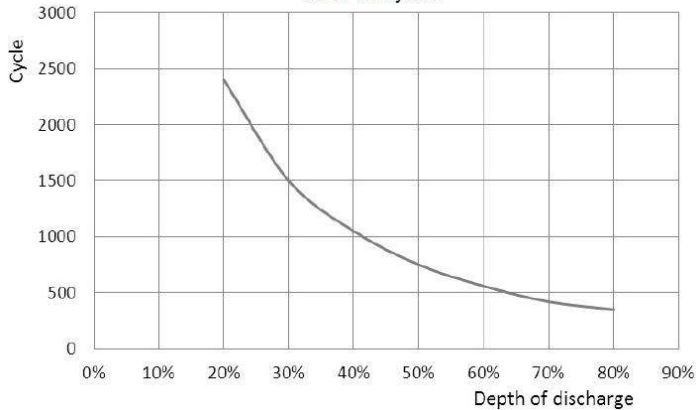
Constant current discharge at 25°C (A)

End voltage (V/cell)	1h	3h	5h	10h	20h	50h	100h	120h	240h
1.70	55.70	26.40	17.70	9.55	5.28	2.20	1.20	0.93	0.55
1.75	55.00	25.70	17.30	9.43	5.15	2.16	1.17	0.93	0.55
1.80	53.34	25.00	17.00	9.30	5.00	2.13	1.14	0.92	0.53
1.85	49.70	23.90	15.65	8.85	4.85	2.10	1.12	0.91	0.53
1.90	47.20	23.20	15.04	8.56	4.75	2.05	1.10	0.91	0.52

Constant power discharge at 25°C (W/cell)

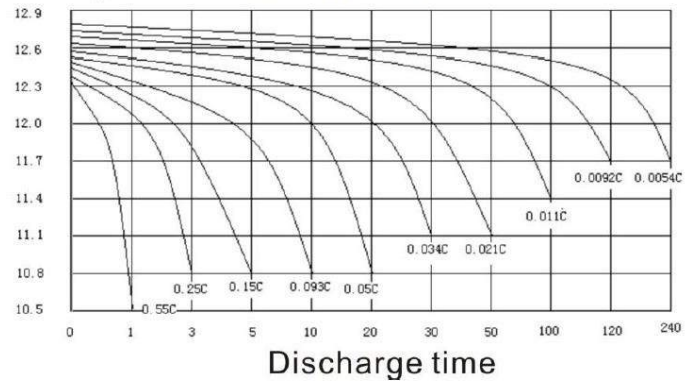
End voltage (V/cell)	1h	3h	5h	10h	20h	50h	100h	120h	240h
1.70	100.0	45.10	32.00	18.10	9.80	4.10	2.35	2.02	1.03
1.75	97.0	44.88	31.40	17.70	9.60	3.92	2.27	1.95	1.01
1.80	94.0	44.15	30.50	17.20	9.50	3.89	2.19	1.89	0.98
1.85	91.0	43.75	29.50	16.50	9.30	3.79	2.07	1.81	0.92
1.90	88.5	42.97	29.00	16.30	9.10	3.72	2.00	1.73	0.89

DOD VS cycles

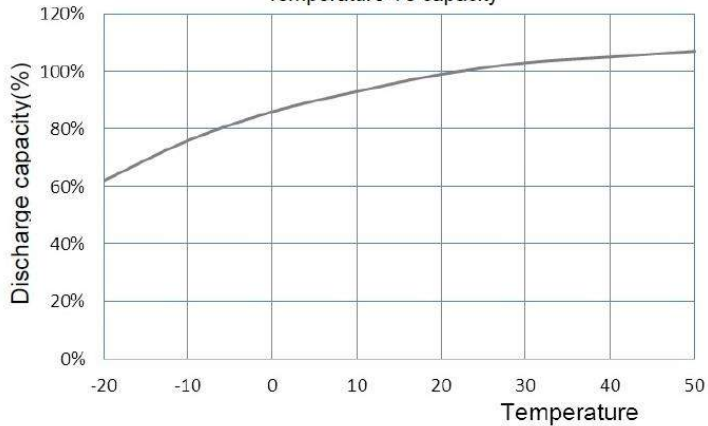


Voltage

Discharge performance



Temperature Vs capacity



Charge performance

