

# AGM<sup>G+</sup>

by **SD**DirectPro

## AGM G+ 12-150

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



### HIGH PERFORMANCE

- 2400 cycles at 20% discharge
- 150Ah 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

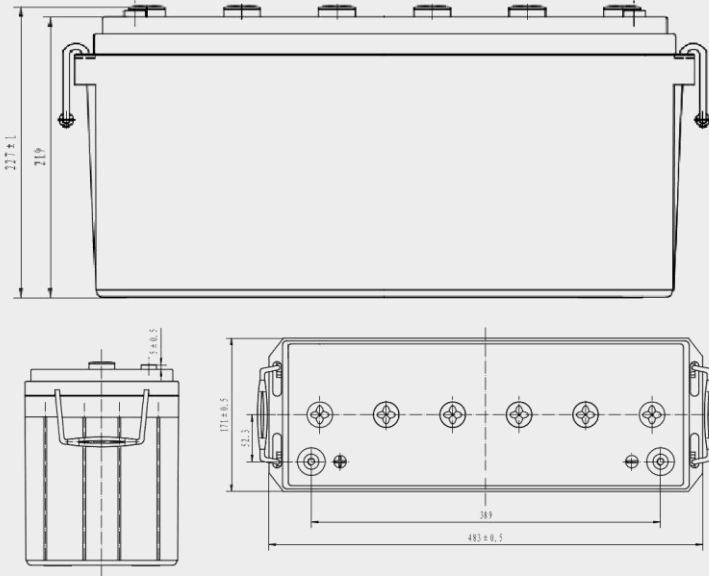


# AGM<sup>G+</sup>

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



# AGM G+ 12-150



## Product characteristics at 25°C

Dimensions	483 x 171 x 227 mm
Weight	42.5 kg
Expected life	10 years*
Internal resistance	3.20 mΩ
Self discharge rate	≤ 1.5% per month
Max charge current	30A
Max discharge current	1200A/5 sec

## Rated capacity at 25°C and 1.8V per cell

C20	C10	C5
150 Ah	139.5 Ah	127,5Ah

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

## Charge Voltage at 25°C

Cycle use	14.4 V
*Standby use	13.5 V

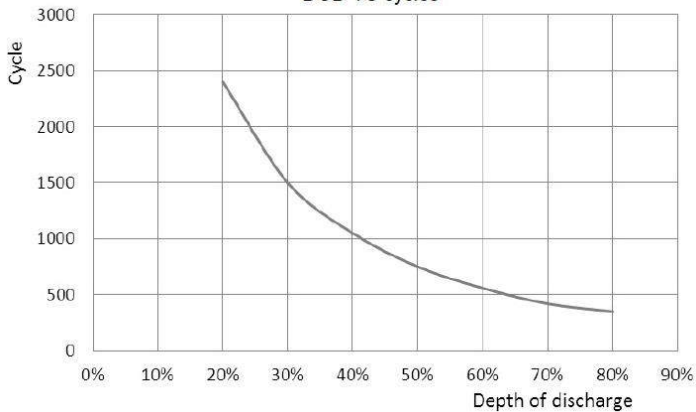
## Constant current discharge at 25°C (A)

End voltage (V/cell)	1h	3h	5h	10h	20h	50h	100h	120h	240h
1.70	82.80	38.21	26.20	15.28	7.90	3.39	1.94	1.73	0.86
1.75	82.50	37.84	25.77	14.69	7.70	3.26	1.78	1.57	0.80
1.80	79.50	37.50	25.50	13.95	7.50	3.20	1.71	1.40	0.79
1.85	75.44	35.30	22.95	13.78	7.24	3.15	1.68	1.39	0.79
1.90	73.51	34.99	22.61	13.08	7.01	2.93	1.65	1.37	0.78

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

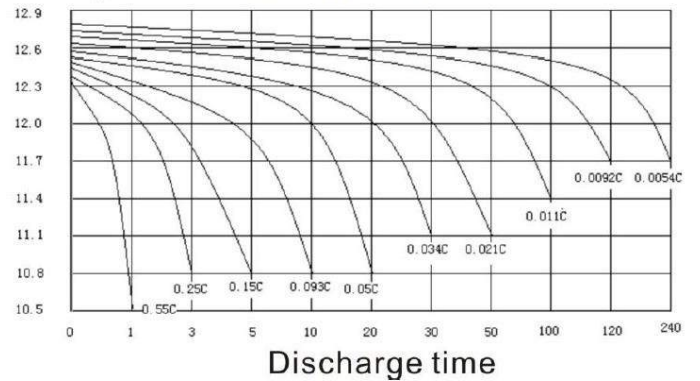
End voltage (V/cell)	1h	3h	5h	10h	20h	50h	100h	120h	240h
1.70	150.5	63.2	45.5	27.0	14.75	7.13	3.85	3.27	1.65
1.75	145.5	62.1	44.4	26.5	14.45	7.05	3.67	3.21	1.62
1.80	141.5	61.1	43.2	25.9	14.20	6.75	3.42	3.09	1.59
1.85	137.0	60.3	42.2	25.0	13.90	6.39	3.25	2.89	1.53
1.90	133.2	59.4	41.0	24.5	13.60	6.15	3.11	2.79	1.50

DOD VS cycles

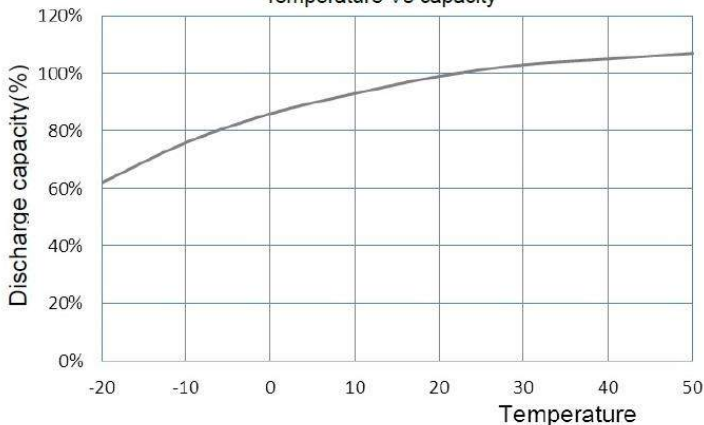


Voltage

Discharge performance



Temperature Vs capacity



Charge performance

