



DEL Series AGM-GEL Battery

Applications

- › Telecom outdoor integration site
- › Power systems
- › UPS/EPS
- › Emergency lighting、Auto control system
- › Solar/wind generating storage cyclic
- › Other general purpose

Specification

Nominal Voltage	12V
Nominal Capacity	105Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 32.5kg (71.1lbs)
Container Material	ABS
Rated Capacity	105Ah 10Hour Rate (10.5A to 10.8V)
	78.9Ah 3Hour Rate (26.3A to 10.8V)
	57.7Ah 1Hour Rate (57.7A to 10.5V)
Internal resistance	Full charged at 25°C: 6.50mΩ
Max. Discharge Current	1050A(5S)
Operating Temperature	Discharge: -20 ~50°C (-4 ~ 122°F)
	Charge: -20 ~50°C (-4 ~ 122°F)
	Storage: -20 ~50°C (-4 ~ 122°F)

Charge current: Max. 26.3A ; Recom.10.5A

Charge Method (25 °C)	Float Charge:13.5-13.8V,recom.13.8V(-18mV/ °C)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)
	Cycle charge:14.4-15.0V,recom.14.7V(-30mV/ °C)

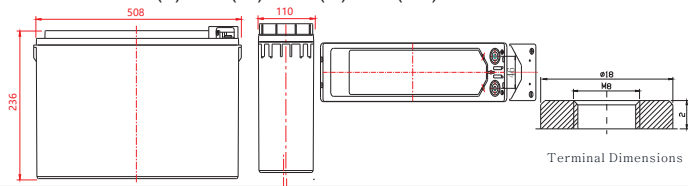
Self discharge 3% of capacity declined per month at 25°C

General Features

- › Narrow structure and front terminal design, suitable for 19-inch and 23-inch standard cabinets
- › High corrosion resistant performance: Pb-Ca multi-alloy grid
- › Excellent charge acceptance ability
- › Excellent deep cycle discharge capability
- › Strong high and low temperature performance
- › Precision sealing technology
- › Long life



Dimension: 508(L)×110(W)×236(H)×236(TH) Unit: mm



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

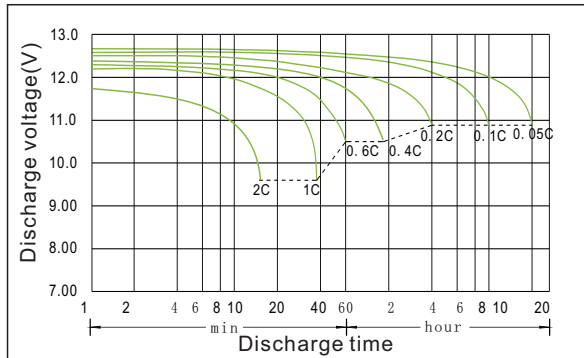
FV/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	191	114	64.2	38.2	29.6	23.3	19.8	13.3	11.1	5.79
1.65V	182	109	62.0	37.0	28.7	22.6	19.3	13.2	10.9	5.70
1.70V	171	104	59.9	35.8	27.9	22.0	18.8	13.0	10.8	5.63
1.75V	159	100	57.7	34.5	27.1	21.5	18.3	12.8	10.6	5.56
1.80V	147	95	55.5	33.3	26.3	20.9	17.8	12.6	10.5	5.51
1.85V	122	82.2	49.8	30.5	24.3	19.4	16.6	11.8	9.88	5.23

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

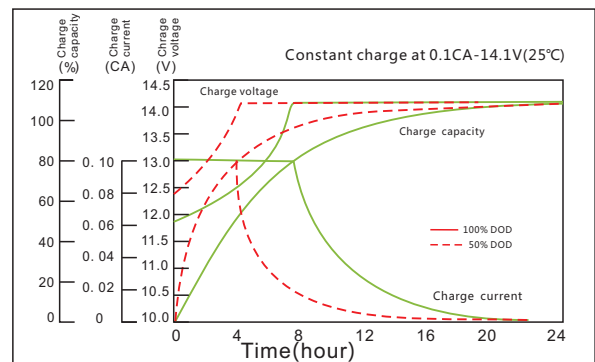
FV/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	333	207	121	72.4	56.6	44.7	38.2	26.0	21.8	11.4
1.65V	324	201	117	70.5	55.0	43.6	37.3	25.8	21.5	11.2
1.70V	308	194	114	68.5	53.8	42.6	36.5	25.4	21.2	11.1
1.75V	290	187	111	66.4	52.4	41.7	35.7	25.1	21.0	11.0
1.80V	272	181	107	64.4	51.0	40.6	34.9	24.7	20.7	10.9
1.85V	229	157	96.4	59.3	47.3	37.9	32.6	23.3	19.6	10.4

DEL-12V105F

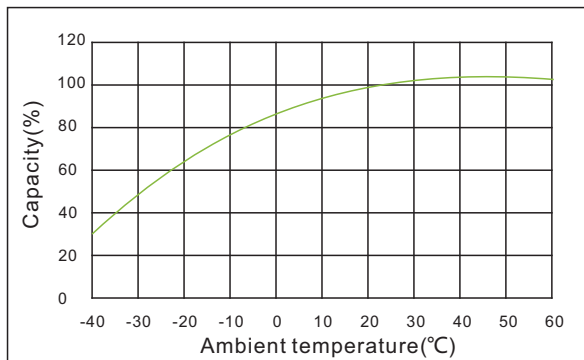
Discharge characteristic



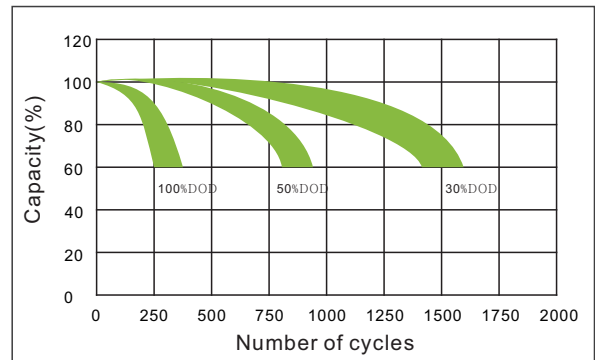
Charging characteristic



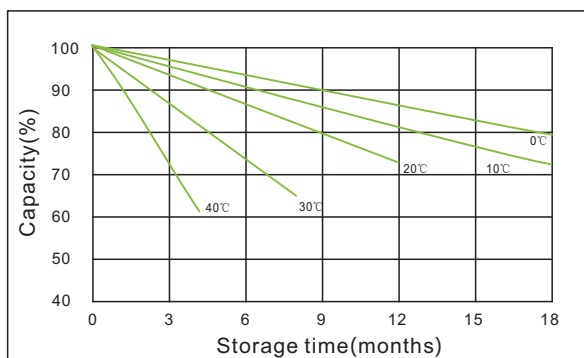
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

