



JLG Series Pure GEL battery

Applications

- Solar / wind energy and other new energy storage
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Other general purpose

Specification

Nominal Voltage	6V
Nominal Capacity	225Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx31.2kg (68.8lbs)
Container Material	ABS

225Ah 20Hour Rate (11.25A to 5.25V)

Rated Capacity **204.3Ah** 10Hour Rate (20.43A to 5.25V)

178.8Ah 5Hour Rate (35.76A to 5.25V)

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.45.0A

Charge Method Float Charge: 6.75-6.90V,recom.6.90V(-9mV/ °C)
(25 °C)
Cycle charge:7.14-7.20V,recom.7.20V(-15mV/ °C)

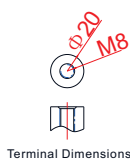
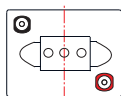
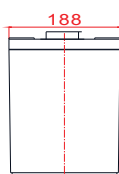
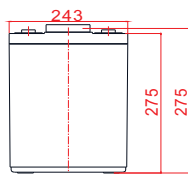
Self discharge 3% of capacity declined per month at 25°C

General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge
- Excellent charge acceptance ability
- Precision sealing technology
- Long life



Dimension:243(L)×188(W)×275(H)×275(TH) Unit: mm



Terminal Dimensions

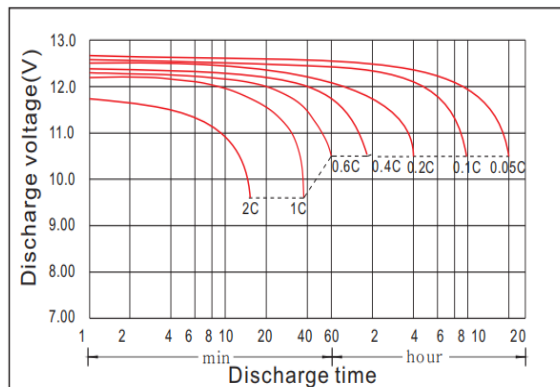
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	594.75	297.50	207.20	130.72	78.21	56.70	38.25	25.85	21.76	11.8
1.65V	552.96	284.97	191.25	124.50	76.81	55.54	37.29	25.39	21.34	11.58
1.70V	515.90	267.30	180.00	120.00	73.79	52.98	36.34	24.84	20.93	11.46
1.75V	467.82	246.33	173.60	114.66	70.90	51.38	35.76	24.39	20.43	11.25
1.80V	395.20	230.58	163.53	108.68	68.06	50.22	34.31	23.94	20.03	11.03
1.85V	325.80	195.60	141.05	101.08	63.04	47.14	32.3	22.70	19.18	10.72

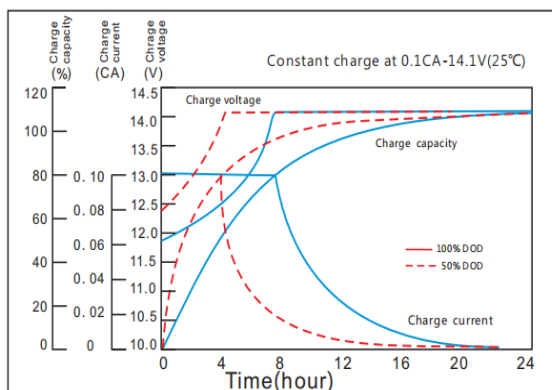
Constant Power Discharge Characteristics Unit: W/cell(25°C, 77°F)

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	1130.50	638.35	413.60	269.78	162.36	123.50	84.20	57.80	47.60	27.10
1.65V	1062.40	611.71	394.40	261.28	159.08	121.60	82.50	56.60	47.10	26.80
1.70V	1029.51	589.68	385.12	252.90	154.85	118.20	80.20	55.50	46.60	26.30
1.75V	937.73	571.17	373.41	246.40	150.66	115.80	78.80	54.80	46.10	25.50
1.80V	837.76	525.91	355.50	239.08	147.42	112.60	75.60	53.60	45.10	24.40
1.85V	729.75	457.50	318.01	216.72	139.50	105.90	71.20	50.60	42.60	23.10

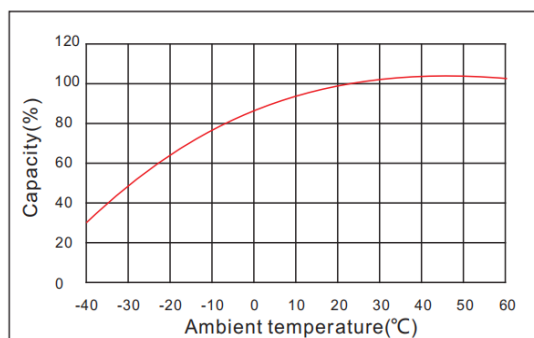
Discharge characteristic



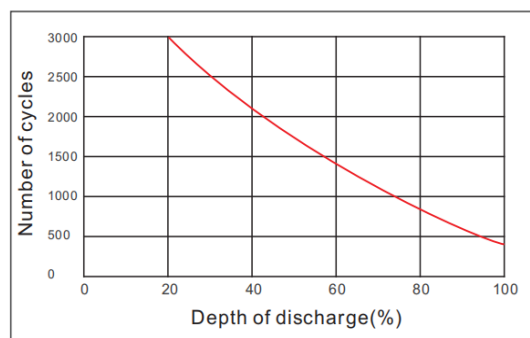
Charging characteristic



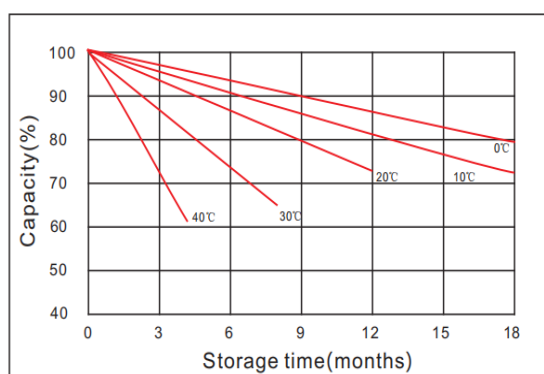
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

