

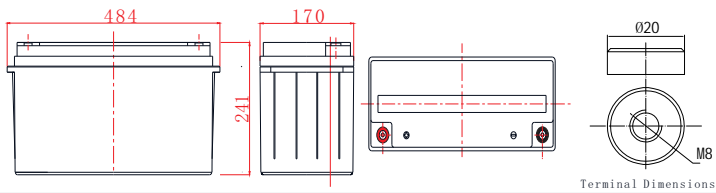


General Features

- > High corrosion resistant performance: Pb-Ca multi-alloy grid
- > High energy density and power density
- > Optimized capability of instant high-current discharging
- > Excellent charge acceptance ability
- > Excellent deep cycle discharge capability
- > Strong high and low temperature performance
- > Precision sealing technology
- > Long life



Dimension: 484(L)×170(W)×241(H)×241(TH) Unit: mm



Applications

- > UPS/EPS
- > Power systems
- > Telecommunications system
- > Emergency lighting、Auto control system
- > Solar/wind generating storage cyclic
- > Other general purpose

Specification

Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 44.0kg (97.0lbs)
Container Material	ABS
Rated Capacity	150.0Ah 10Hour Rate (15.0A to 10.8V)
	123.6Ah 3Hour Rate (41.2A to 10.2V)
	95.3Ah 1Hour Rate (95.3A to 9.6V)
Internal resistance	Full charged at 25°C: 5.0 mΩ
Max. Discharge Current	1800A(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. 37.5A ; Recom. 15A
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

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

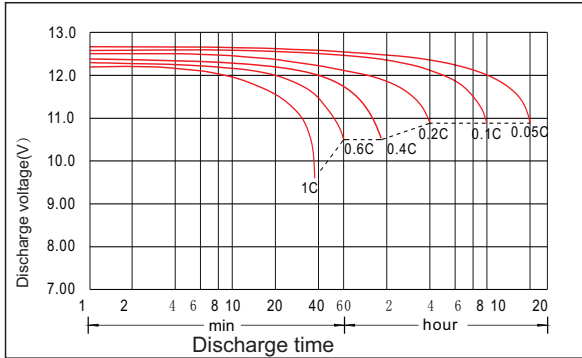
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	255	164	120	95.3	64.3	59.0	42.3	30.4	28.2	22.5	18.5	15.6	8.03
1.65V	301	301	242	161	119	94.9	63.5	58.2	42.0	30.1	28.2	22.3	18.4	15.5	7.91
1.70V	289	289	240	158	117	94.1	62.8	57.5	41.2	29.8	27.7	22.1	18.2	15.3	7.80
1.75V	266	266	237	157	116	93.0	62.4	56.7	40.8	29.6	27.4	21.9	18.1	15.2	7.69
1.80V	238	238	217	150	112	90.4	61.6	55.6	40.5	29.3	26.6	21.6	17.9	15.0	7.58
1.85V	212	212	196	137	103	83.9	59.7	52.9	38.2	28.4	25.3	21.0	17.2	14.6	7.39

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

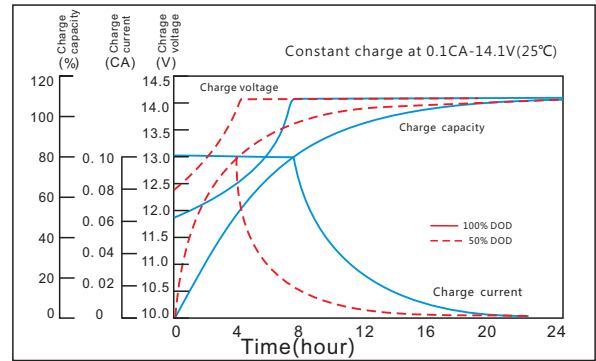
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	459	295	222	182	125	114	82.1	59.0	54.7	43.9	36.0	30.4	15.7
1.65V	512	512	436	290	220	181	123	113	81.4	58.4	54.3	43.5	35.8	30.2	15.5
1.70V	491	491	431	285	217	180	122	111	79.9	57.8	53.7	42.8	35.6	29.8	15.3
1.75V	452	452	427	283	215	178	121	110	79.2	57.3	53.0	42.5	35.3	29.6	15.1
1.80V	404	404	390	271	207	173	120	108	78.5	56.8	51.6	41.9	35.0	29.3	14.8
1.85V	363	363	355	248	191	161	116	103	74.5	55.4	49.3	41.0	33.7	28.6	14.6

JM12-150

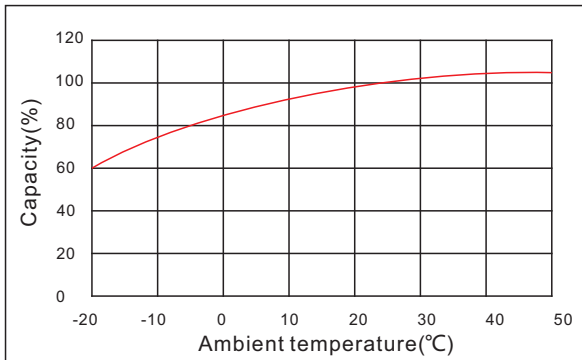
Discharge characteristic



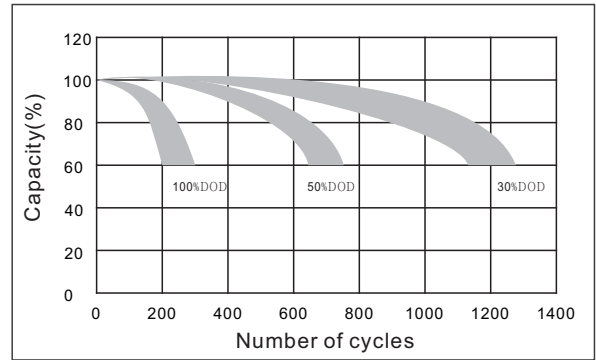
Charging characteristic



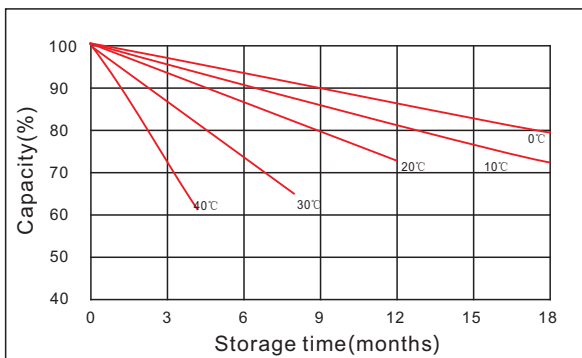
The effect of temperature on capacity



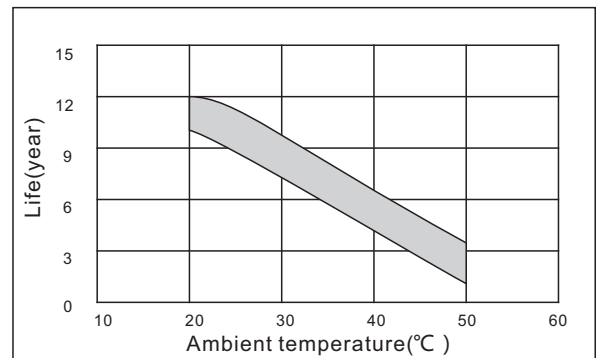
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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