

## JM12-150

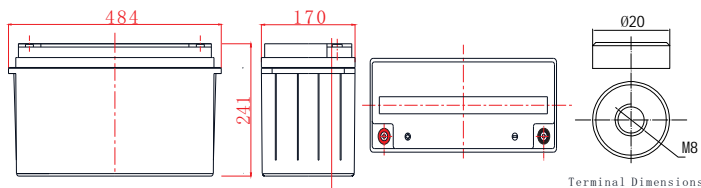


### General Features

- > 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 42.5kg (93.70lbs)
Container Material	ABS
Rated Capacity	150Ah → 20Hour Rate (7.50A to 10.5V)
	117Ah → 3Hour Rate (39.0A to 10.2V)
	96.0Ah → 1Hour Rate (96.0A to 9.6V)
Internal resistance	Full charged at 25°C: 4.8 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)

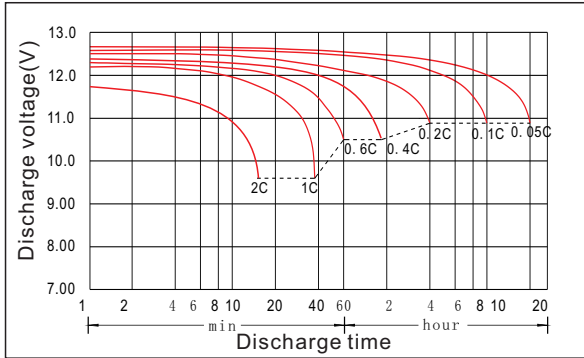
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	503	334	270	164	118	96.0	60.2	55.0	39.9	28.9	26.8	21.3	17.6	14.8	7.61
1.65V	486	331	261	162	117	95.0	59.8	54.7	39.5	28.7	26.5	21.2	17.5	14.7	7.58
1.70V	467	331	256	159	117	95.0	59.0	54.3	39.0	28.3	26.2	20.9	17.3	14.5	7.53
1.75V	429	325	248	157	114	93.3	58.6	53.5	38.6	28.1	25.9	20.8	17.2	14.4	7.50
1.80V	386	316	231	150	112	90.9	58.2	52.5	38.3	27.9	25.3	20.6	17.0	14.3	7.47
1.85V	344	293	206	137	103	84.2	56.5	49.9	36.0	27.1	24.0	20.0	16.3	13.9	7.33

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

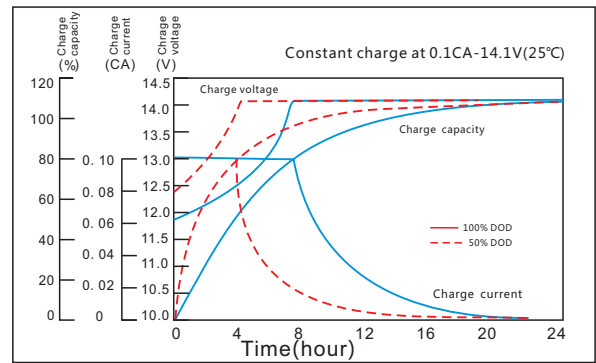
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	842	565	475	297	217	181	120	105	76.0	57.0	50.8	41.8	34.2	28.5	15.1
1.65V	809	562	466	295	216	180	119	104	75.0	56.4	50.5	41.4	33.9	28.2	15.0
1.70V	806	558	462	295	215	179	118	104	74.6	55.8	50.2	40.9	33.8	27.9	14.9
1.75V	751	555	459	293	214	178	116	103	74.2	55.2	49.9	40.5	33.5	27.6	14.9
1.80V	690	549	433	286	211	176	116	103	73.9	54.8	49.3	40.2	33.3	27.4	14.8
1.85V	616	509	388	262	196	163	114	97.9	70.2	54.0	47.0	39.6	32.1	27.0	14.6

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**Discharge characteristic**



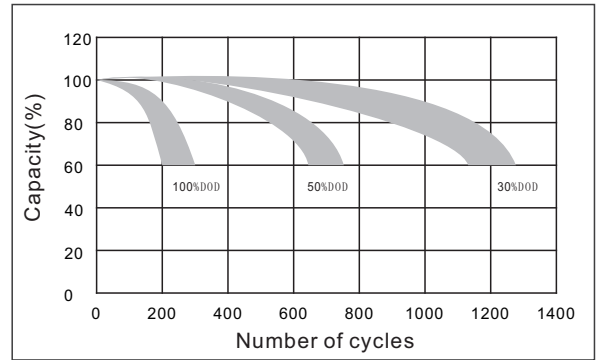
**Charging characteristic**



**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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