



Applications

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

Specification

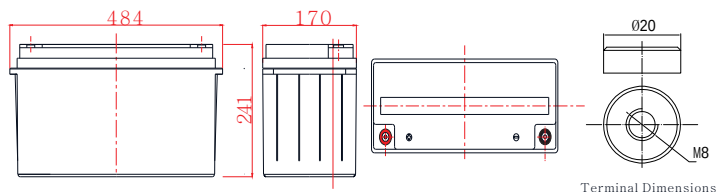
Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 47.0kg (104lbs)
Container Material	ABS
Rated Capacity	150.0Ah 10Hour Rate (15.0A to 10.8V)
	122.9Ah 3Hour Rate (40.9A to 10.2V)
	93.4Ah 1Hour Rate (93.4A to 9.6V)
Internal resistance	Full charged at 25°C: 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

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



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

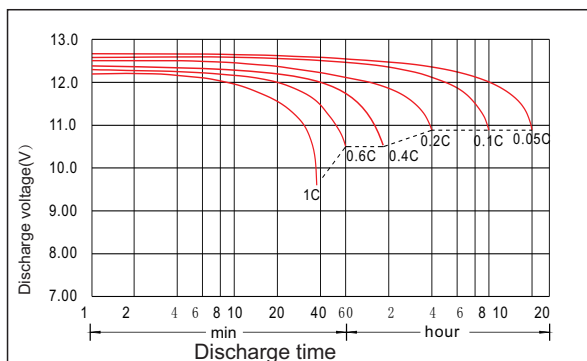
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	255	152	118	93.4	63.8	58.5	42.0	30.4	28.2	22.5	18.5	15.6	8.03
1.65V	301	301	242	149	116	92.8	63.0	57.8	41.6	30.1	28.0	22.3	18.4	15.5	7.91
1.70V	289	289	240	147	115	92.3	62.3	57.0	40.9	29.8	27.7	22.1	18.2	15.3	7.80
1.75V	266	266	237	146	114	91.2	61.9	56.3	40.5	29.6	27.4	21.9	18.1	15.2	7.69
1.80V	238	238	217	139	110	88.6	61.1	55.1	40.1	29.3	26.6	21.6	17.9	15.0	7.58
1.85V	212	212	196	127	101	82.3	59.3	52.5	37.9	28.4	25.3	21.0	17.2	14.6	7.39

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

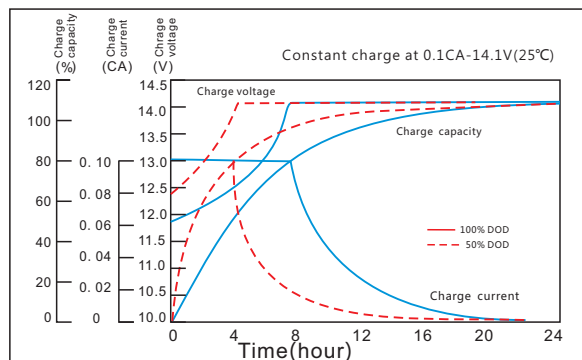
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	459	274	218	178	124	113	81.5	59.0	54.7	43.9	36.0	30.4	15.7
1.65V	512	512	436	269	215	177	122	112	80.8	58.4	54.3	43.5	35.8	30.2	15.5
1.70V	491	491	431	264	213	176	121	111	79.3	57.8	53.7	42.8	35.6	29.8	15.3
1.75V	452	452	427	262	211	174	120	109	78.6	57.3	53.0	42.5	35.3	29.6	15.1
1.80V	404	404	390	251	203	169	119	107	77.8	56.8	51.6	41.9	35.0	29.3	14.8
1.85V	363	363	355	230	188	158	116	102	73.9	55.4	49.3	41.0	33.7	28.6	14.6

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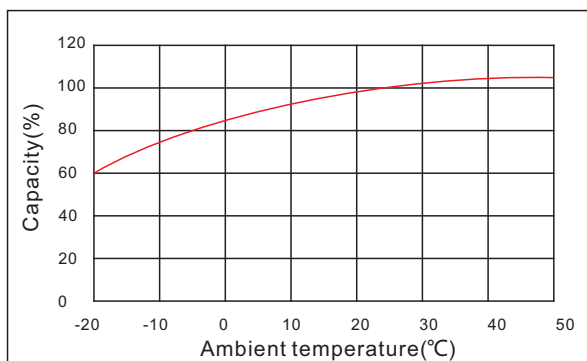
Discharge characteristic



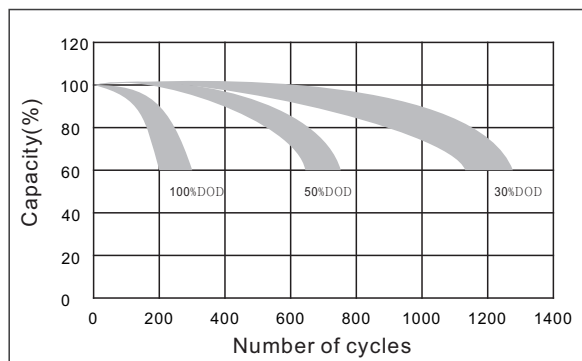
Charging characteristic



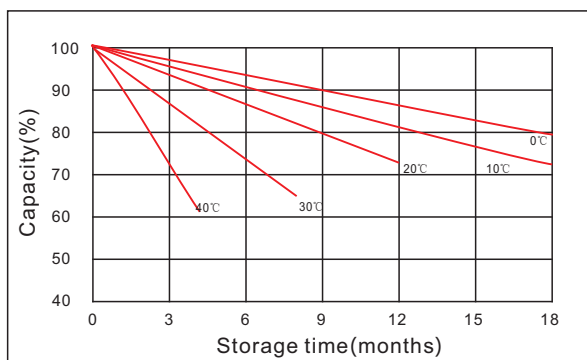
The effect of temperature on capacity



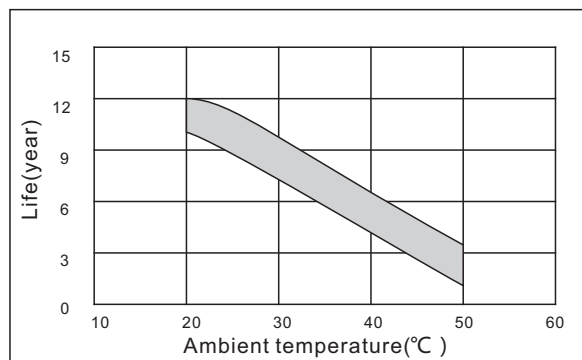
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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