



Applications

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

Specification

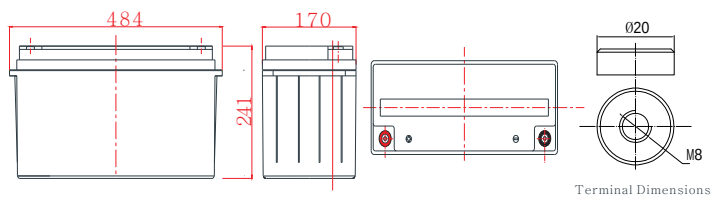
Nominal Voltage	12V
Nominal Capacity	150Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 45.0kg (99.2lbs)
Container Material	ABS
Rated Capacity	150.0Ah 10Hour Rate (15.0A to 10.8V)
	121.5Ah 3Hour Rate (40.5A to 10.2V)
	92.8Ah 1Hour Rate (92.8A to 9.6V)
Internal resistance	Full charged at 25°C: 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)

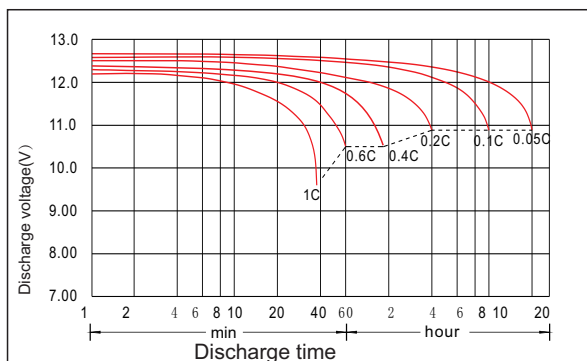
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	253	151	117	92.8	63.2	58.0	41.7	30.2	28.0	22.3	18.4	15.4	7.96
1.65V	301	301	240	148	116	92.1	62.5	57.3	41.3	29.9	27.8	22.1	18.2	15.3	7.85
1.70V	289	289	238	146	114	91.7	61.8	56.5	40.5	29.6	27.5	21.9	18.1	15.2	7.74
1.75V	266	266	235	145	113	90.6	61.4	55.8	40.2	29.4	27.2	21.7	17.9	15.1	7.63
1.80V	238	238	215	138	109	88.0	60.6	54.7	39.8	29.1	26.4	21.4	17.8	15.0	7.51
1.85V	212	212	195	126	100	81.8	58.8	52.1	37.6	28.2	25.1	20.8	17.1	14.6	7.33

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

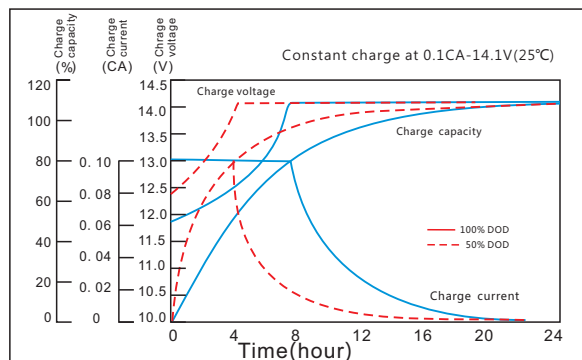
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	455	272	217	177	123	113	80.8	58.5	54.3	43.5	35.8	30.0	15.6
1.65V	512	512	433	267	214	176	121	111	80.1	58.0	53.8	43.2	35.5	29.8	15.4
1.70V	491	491	428	263	211	175	120	110	78.7	57.3	53.2	42.5	35.3	29.6	15.2
1.75V	452	452	423	261	210	173	119	108	77.9	56.9	52.6	42.1	35.0	29.4	14.9
1.80V	404	404	387	249	202	168	118	106	77.2	56.4	51.2	41.6	34.7	29.3	14.7
1.85V	363	363	352	229	186	157	115	102	73.3	55.0	48.9	40.6	33.4	28.6	14.4

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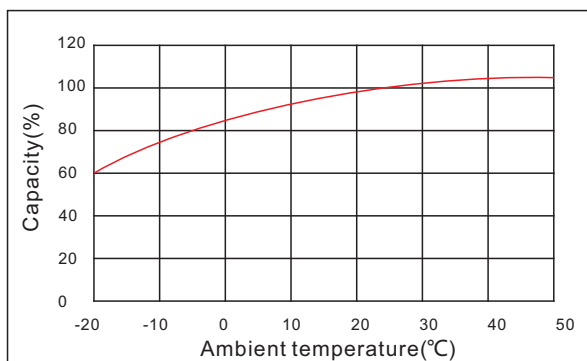
Discharge characteristic



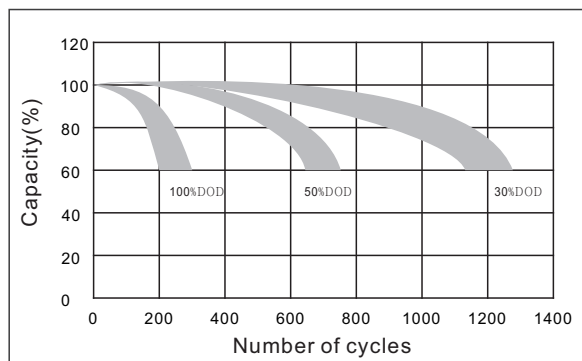
Charging characteristic



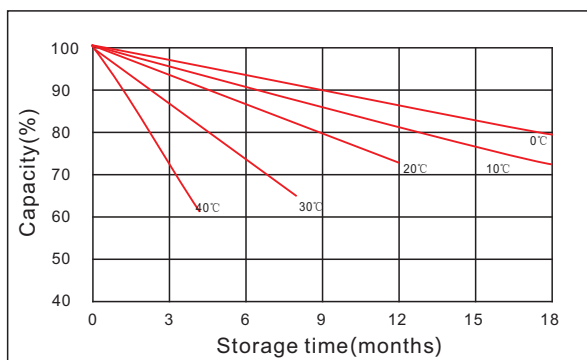
The effect of temperature on capacity



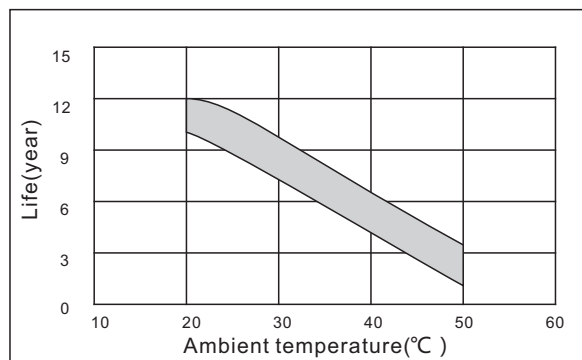
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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