

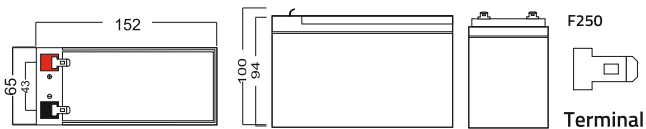


General Features

- > 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
- > Strong high and low temperature performance
- > Precision sealing technology



Dimension: 152(L)×65(W)×94(H) ×100(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	9.0Ah		
Design life	10 years		
Terminal	F250		
Approx. Weight	Approx 2.54kg (5.60lbs)		
Container Material	ABS		
Rated Capacity	9.00Ah	20Hour Rate	(0.45A to 10.5V)
	6.99Ah	3Hour Rate	(2.33A to 10.5V)
	5.94Ah	1Hour Rate	(5.94A to 9.60V)
Internal resistance	Full charged at 25 °C: 20.0 mΩ		
Max. Discharge Current	24A (5 sec)		
Operating Temperature	Discharge: -15 ~ 50 °C (5~ 122 °F)		
	Charge: -10 ~ 50 °C (14~ 122 °F)		
	Storage: -20 ~ 50 °C (-4~ 122 °F)		
Charge current:		Max. 2.4A; Recom. 0.90A	
Charge Method (25 °C)	Float Charge: 13.5-13.8V, recom.13.5V(-18mV/ °C)		
	Equalize charge: 13.8-14.1V, recom.14.1V(-24mV/ °C)		
	Cycle charge: 14.4-15.0V, recom.14.4V(-30mV/ °C)		
Self discharge	3% of capacity declined per month at 25 °C		

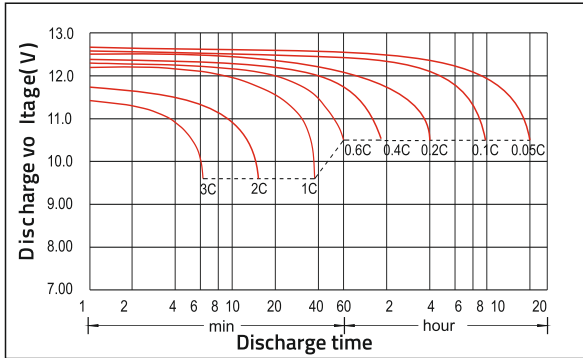
Constant Current Discharge Characteristics Unit: A (25 °C, 77 °F)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	35.6	23.3	17.4	11.4	5.94	3.40	2.48	1.99	1.69	1.12	0.891	0.477
1.65V	35.4	22.3	15.9	10.8	5.58	3.27	2.41	1.93	1.66	1.10	0.882	0.468
1.70V	29.0	21.0	14.9	10.5	5.40	3.20	2.37	1.83	1.64	1.08	0.864	0.459
1.75V	26.9	20.0	13.9	10.2	5.21	3.12	2.33	1.80	1.57	1.05	0.846	0.450
1.80V	24.8	18.8	12.9	9.90	5.03	3.04	2.21	1.76	1.50	1.03	0.828	0.432

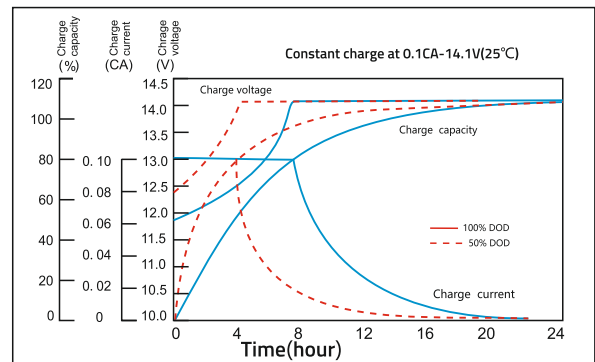
Constant Power Discharge Characteristics Unit: W/cell(25 °C, 77 °F)

FV/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	66.9	42.0	31.8	19.2	10.9	6.38	4.70	3.77	3.20	2.11	1.73	0.945
1.65V	61.7	39.8	29.9	19.1	10.2	6.14	4.56	3.65	3.14	2.07	1.69	0.920
1.70V	56.4	38.6	28.5	19.0	9.93	6.02	4.49	3.47	3.05	2.05	1.68	0.912
1.75V	51.2	37.4	27.5	18.8	9.65	5.88	4.43	3.42	2.99	1.97	1.64	0.893
1.80V	45.9	36.2	26.3	18.7	9.51	5.84	4.31	3.39	2.91	1.90	1.61	0.887

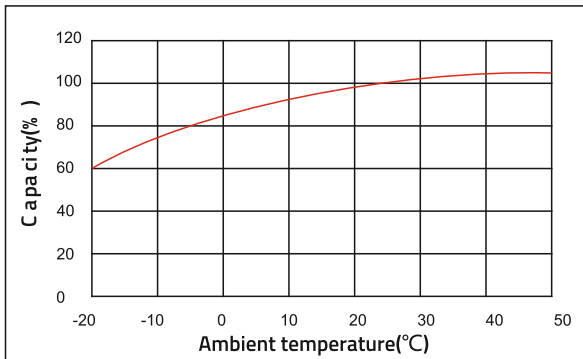
Discharge characteristic



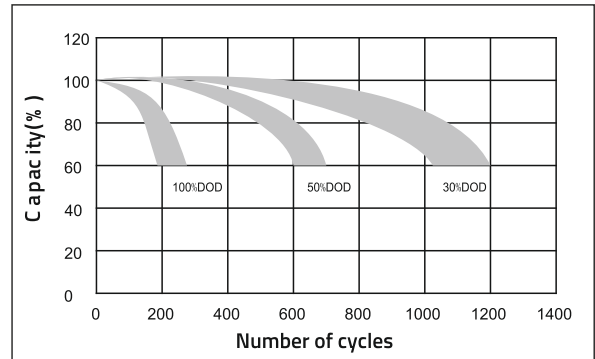
Charging characteristic



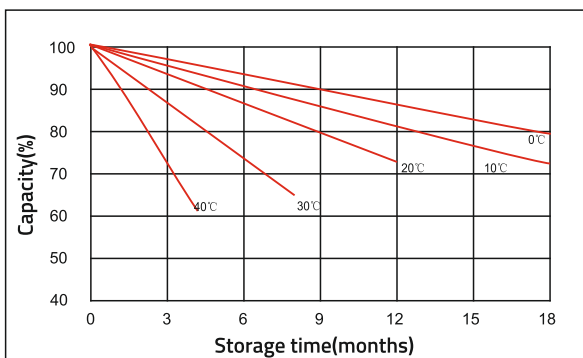
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

