

JH12-36W



Applications

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

Specification

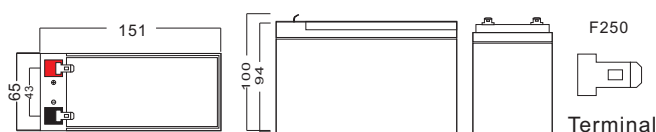
Nominal Voltage	12V
Nominal Capacity	9.0Ah(36W@15min-rate to 1.67V per cell @25°C)
Design life	8years
Terminal	F250
Approx. Weight	Approx 2.50kg (5.51lbs)
Container Material	ABS
Rated Capacity	9.00Ah 20Hour Rate (0.450A to 10.8V)
	8.50Ah 10Hour Rate (0.850A to 10.8V)
	5.90Ah 1Hour Rate (5.90A to 10.5V)
Internal resistance	Full charged at 25°C: 20.0 mΩ
Max. Discharge Current	90A(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 Method (25 °C)	Charge current: Max. 2.7A ; Recom.0.9A
	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: 151(L)×65(W)×94(H)×100(TH) Unit: mm



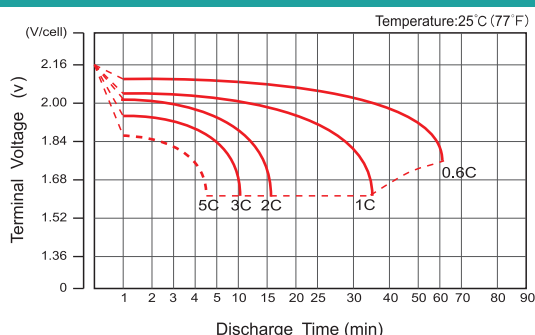
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	46.9	41.3	33.0	28.3	20.9	16.4	11.7	6.55	4.64
1.67V	42.6	37.4	30.2	26.1	19.5	15.5	11.1	6.24	4.44
1.70V	40.8	35.8	29.0	25.1	18.9	15.1	10.8	6.11	4.36
1.75V	37.8	33.2	27.0	23.5	17.9	14.3	10.3	5.90	4.23
1.80V	34.6	30.4	24.9	22.0	17.0	13.6	9.89	5.68	4.08
1.85V	29.6	26.0	21.2	18.6	14.5	11.8	8.75	5.13	3.73

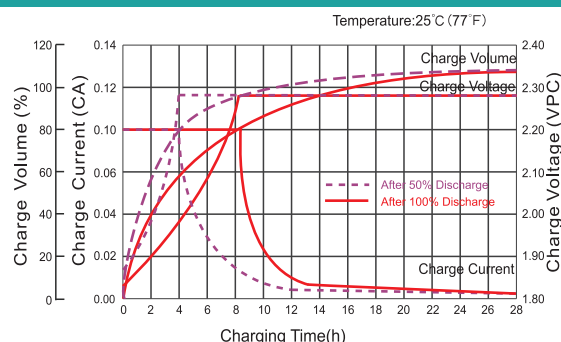
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F.V/Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	84.4	74.2	59.5	51.2	38.1	30.2	21.6	12.3	8.79
1.67V	77.5	68.1	55.1	47.8	36.0	28.8	20.8	11.8	8.49
1.70V	74.8	65.8	53.3	46.4	35.3	28.2	20.3	11.6	8.36
1.75V	70.0	61.5	50.3	44.1	33.6	27.1	19.7	11.3	8.14
1.80V	65.0	57.1	47.0	41.5	32.1	26.0	19.0	11.0	7.93
1.85V	56.5	49.6	40.6	35.7	27.9	22.8	16.9	10.0	7.28

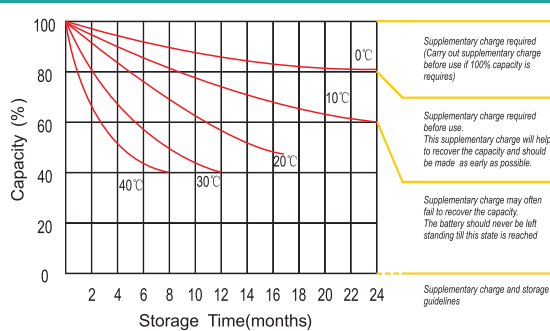
Discharge Characteristics Curve



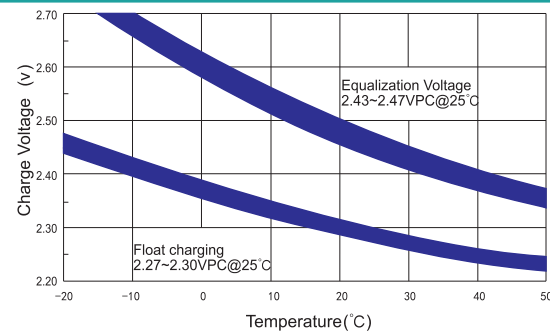
Charge Characteristic Curve For Standby Use



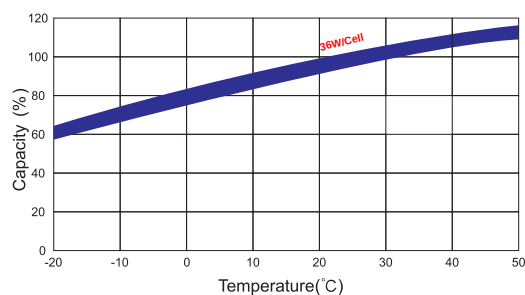
Storage Characteristics



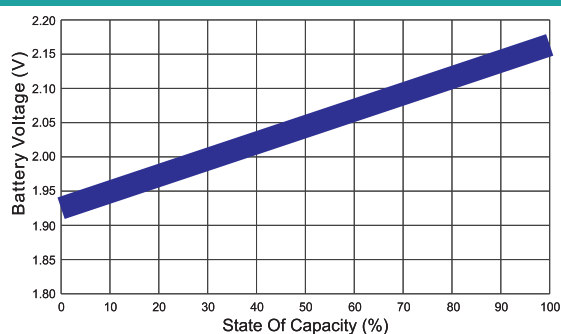
Relationship Between Charging Voltage And Temperature



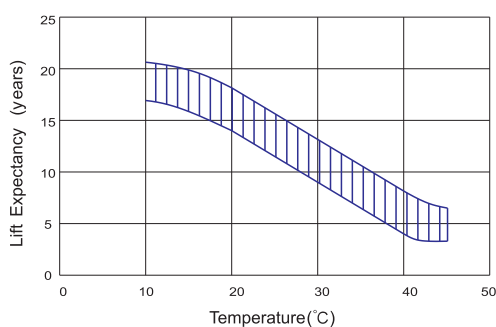
Temperature Effects On Capacity



Relationship of OCV And State of Charge(20°C)



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

