

JH12-24W



Applications

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

Specification

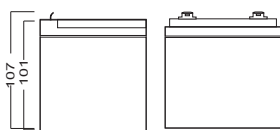
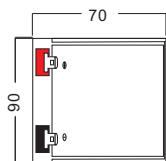
Nominal Voltage	12V
Nominal Capacity	6.0Ah(24W@15min-rate to 1.67V per cell @25℃)
Design life	8years
Terminal	F250
Approx. Weight	Approx 1.75kg (3.86lbs)
Container Material	ABS
Rated Capacity	6.00Ah 20Hour Rate (0.300A to 10.5V)
	5.50Ah 10Hour Rate (0.550A to 10.5V)
	4.4Ah 1Hour Rate (4.4A to 10.5V)
Internal resistance	Full charged at 25℃: 26 mΩ
Max. Discharge Current	82A(5S)
Operating Temperature	Discharge: -20 ~50℃ (-4~ 122°F)
	Charge: -20 ~50℃ (-4~ 122°F)
	Storage: -20 ~50℃ (-4~ 122°F)
Charge current: Max. 1.75A ; Recom.0.72A	
Charge Method (25℃)	Float Charge:13.5-13.8V,recom.13.8V(-18mV/℃)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/℃)
	Cycle charge:14.4-15.0V,recom.14.7V(-30mV/℃) 3% of
Self discharge	capacity declined per month at 25℃

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: 90(L)×70(W)×101(H)×107(TH) Unit: mm



F187/F250



Terminal

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

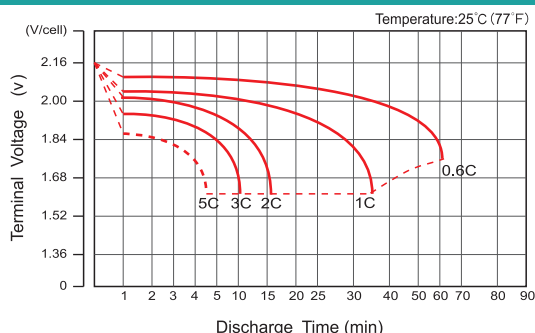
F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	29.5	26.0	23.1	20.5	14.6	11.6	8.4	4.7	3.7
1.67V	26.9	24.3	21.8	19.3	14.1	10.9	8.1	4.6	3.6
1.70V	25.8	23.5	21.3	18.7	13.7	10.6	7.9	4.5	3.5
1.75V	23.9	22.7	20.5	17.9	13.2	10.1	7.6	4.4	3.5
1.80V	22.1	21.7	19.7	16.8	12.8	9.8	7.3	4.3	3.4
1.85V	21.4	20.3	18.1	15.8	12.1	9.4	7.1	4.2	3.3

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

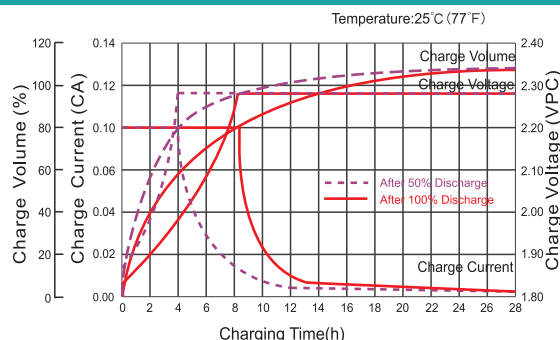
F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	55.6	50.5	41.2	32.4	25.4	19.7	13.4	7.20	5.30
1.67V	51.4	46.4	39.6	30.3	24.0	18.8	12.9	6.93	5.12
1.70V	49.7	44.8	38.5	29.4	23.5	18.4	12.6	6.82	5.04
1.75V	46.8	41.9	36.6	27.9	22.4	17.7	12.2	6.63	4.91
1.80V	43.7	38.9	33.1	26.3	21.4	17.0	11.8	6.44	4.78
1.85V	38.5	33.8	28.2	22.6	18.6	14.9	10.5	5.86	4.39

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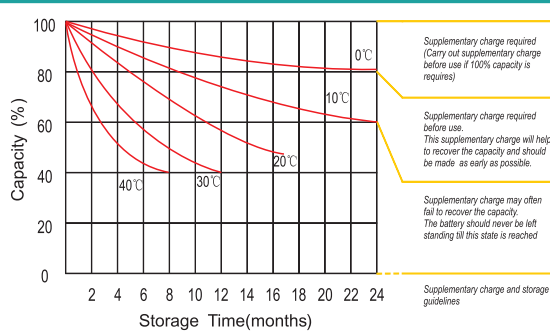
Discharge Characteristics Curve



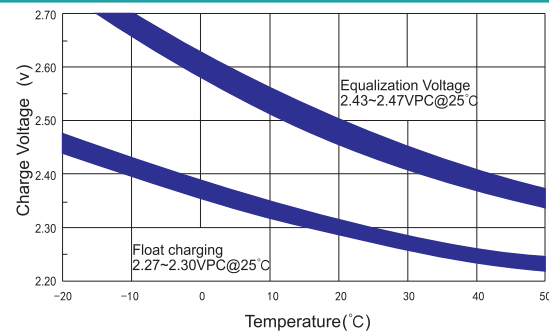
Charge Characteristic Curve For Standby Use



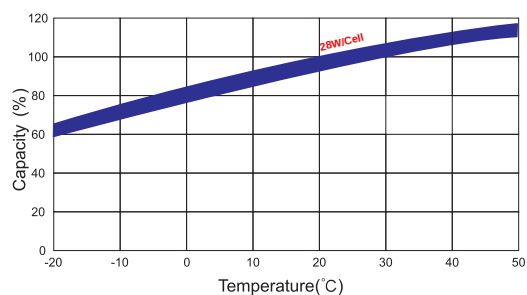
Storage Characteristics



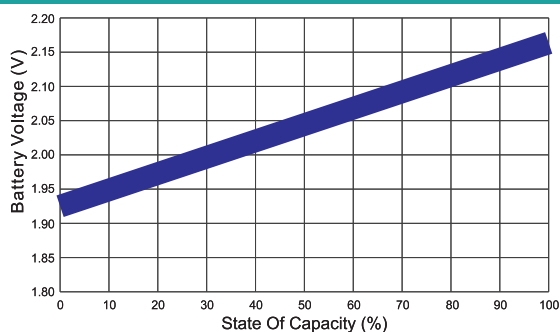
Relationship Between Charging Voltage And Temperature



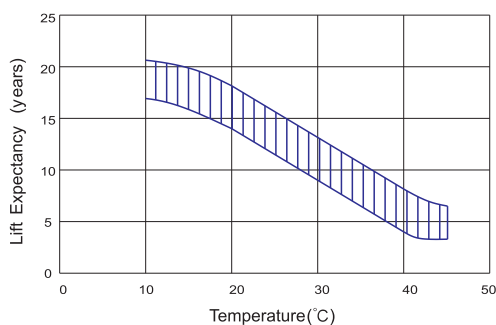
Temperature Effects On Capacity



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



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

