

JH12-88W



Applications

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

Specification

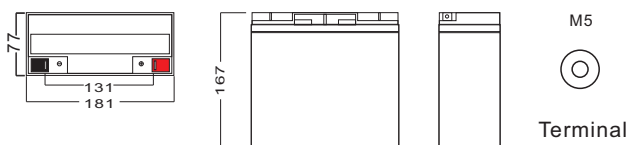
Nominal Voltage	12V
Nominal Capacity	22Ah (88W@15min-rate to 1.67V per cell @25℃)
Design life	8 years
Terminal	M5
Approx. Weight	Approx 5.85kg (12.9lbs)
Container Material	ABS (UL94-HB, UL94-V0 Optional)
Rated Capacity	22.0Ah 20Hour Rate (1.10A to 10.5V)
	20.8Ah 10Hour Rate (2.08A to 10.5V)
	14.4Ah 1Hour Rate (14.4A to 10.5V)
Internal resistance	Full charged at 25℃: 10.0mΩ
Max. Discharge Current	220A(5S)
Operating Temperature	Discharge: -20 ~50℃ (-4 ~ 122°F)
	Charge: -20 ~50℃ (-4 ~ 122°F)
	Storage: -20 ~50℃ (-4 ~ 122°F)
Charge current:	Max. 6.6A ; Recom.2.2A
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/℃)
Self discharge	3% of 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: 181(L)×77(W)×167(H)×167(TH) Unit: mm



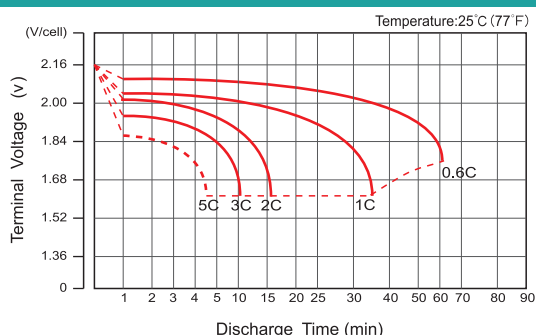
Constant Current Discharge Characteristics Unit: A (25℃, 77°F)

F.V/Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	103	90.8	74.2	64.9	51.0	40.1	28.5	16.0	11.4
1.67V	93.7	82.4	67.8	59.9	47.7	37.8	27.1	15.3	10.9
1.70V	89.7	78.8	65.1	57.7	46.2	36.8	26.4	14.9	10.7
1.75V	83.1	73.0	60.7	54.1	43.6	35.0	25.3	14.4	10.3
1.80V	76.1	66.9	56.1	50.4	41.4	33.3	24.2	13.9	10.0
1.85V	65.1	57.2	47.8	42.8	35.5	28.9	21.4	12.6	9.12

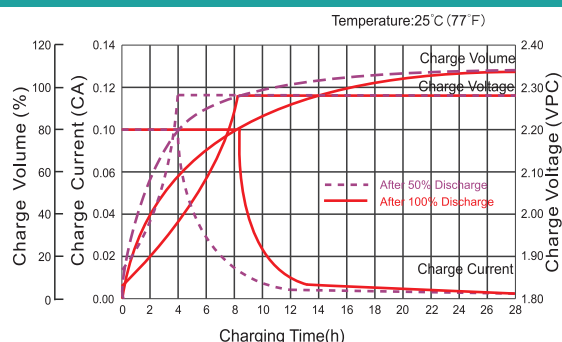
Constant Power Discharge Characteristics Unit: W/cell (25℃, 77°F)

F.V/Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	186	163	134	118	93.1	73.8	52.8	30.0	21.5
1.67V	171	150	124	110	88.0	70.4	50.8	28.9	20.8
1.70V	165	145	120	107	86.2	68.9	49.6	28.4	20.4
1.75V	154	135	113	101	82.1	66.3	48.0	27.6	19.9
1.80V	143	126	106	95.4	78.5	63.7	46.5	26.8	19.4
1.85V	124	109	91.4	82.0	68.2	55.8	41.3	24.4	17.8

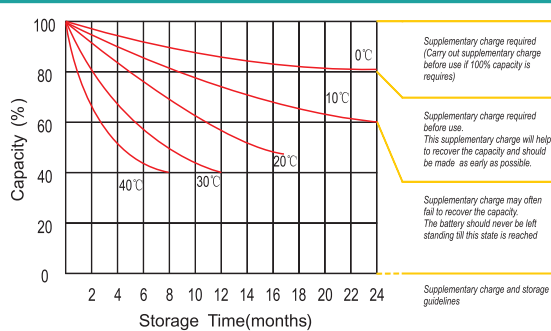
Discharge Characteristics Curve



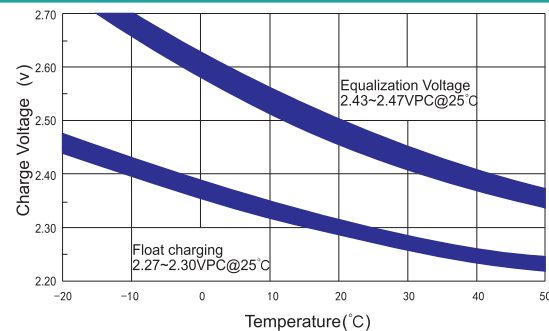
Charge Characteristic Curve For Standby Use



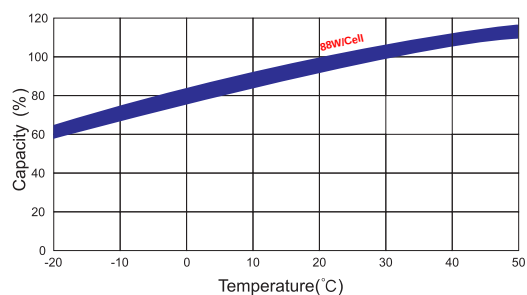
Storage Characteristics



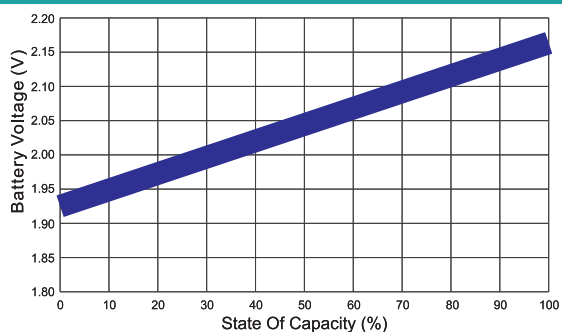
Relationship Between Charging Voltage And Temperature



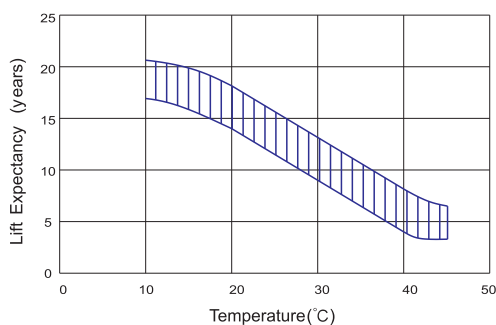
Temperature Effects On Capacity



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



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

