

JH12-102W



Applications

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

Specification

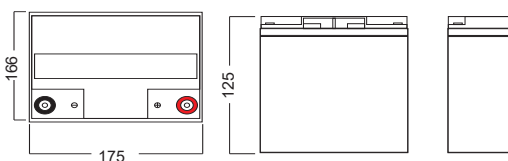
Nominal Voltage	12V
Nominal Capacity	26Ah (102W@15min-rate to 1.67V per cell @25℃)
Design life	8 years
Terminal	M5
Approx. Weight	Approx 8.55kg (18.85lbs)
Container Material	ABS (UL94-HB, UL94-V0 Optional)
Rated Capacity	26.0Ah 20Hour Rate (1.30A to 10.5V)
	23.6Ah 10Hour Rate (2.36A to 10.5V)
	16.8Ah 1Hour Rate (16.8A to 10.5V)
Internal resistance	Full charged at 25℃: 12.0mΩ
Max. Discharge Current	350A(5S)
Operating Temperature	Discharge: -20 ~50℃ (-4 ~ 122°F)
	Charge: -20 ~50℃ (-4 ~ 122°F)
	Storage: -20 ~50℃ (-4 ~ 122°F)
Charge current: Max. 8.0A ; Recom.2.6A	
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: 175(L)×166(W)×125(H)×125(TH) Unit: mm



Terminal Dimensions

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

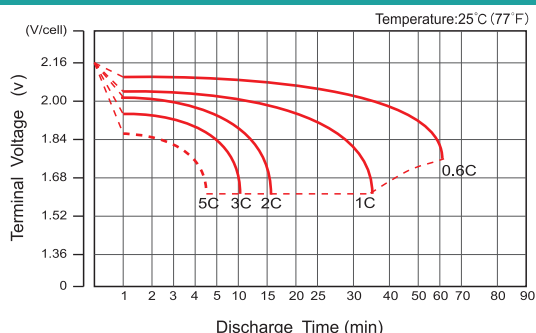
F.V/Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	98.2	82.4	73.1	65.0	56.8	44.4	31.9	17.9	14.2
1.67V	87.5	76.9	69.2	61.3	54.6	41.8	30.7	17.5	13.7
1.70V	82.8	74.5	67.6	59.3	53.0	40.7	30.2	17.2	13.5
1.75V	75.6	72.1	65.0	56.6	51.2	38.7	29.1	16.8	13.2
1.80V	70.0	68.9	62.5	53.1	49.6	37.5	27.9	16.4	13.0
1.85V	66.8	64.4	57.5	49.9	46.9	36.2	26.9	15.9	12.5

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

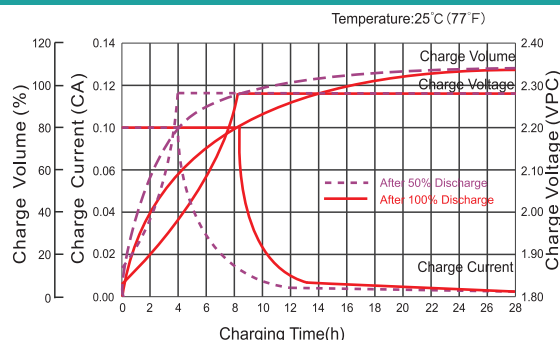
F.V/Time	3min	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	173.5	144.8	130.6	116.5	104.0	81.7	59.3	33.3	26.5
1.67V	156.3	136.5	125.4	111.4	102.0	77.7	57.6	32.6	25.8
1.70V	150.4	133.3	122.0	108.5	99.1	76.2	56.8	32.3	25.5
1.75V	138.3	130.2	119.3	104.5	96.1	73.5	55.4	32.1	25.4
1.80V	129.9	125.8	114.5	99.7	93.5	71.2	53.6	31.6	25.2
1.85V	125.6	121.2	108.5	95.2	90.2	69.6	52.0	31.0	24.4

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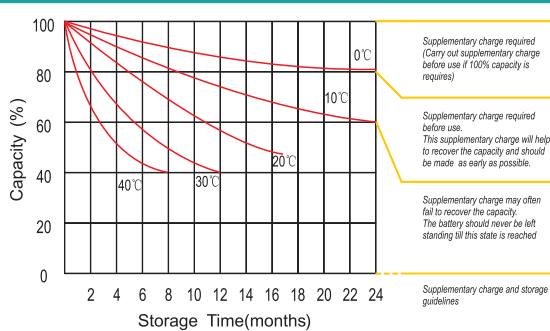
Discharge Characteristics Curve



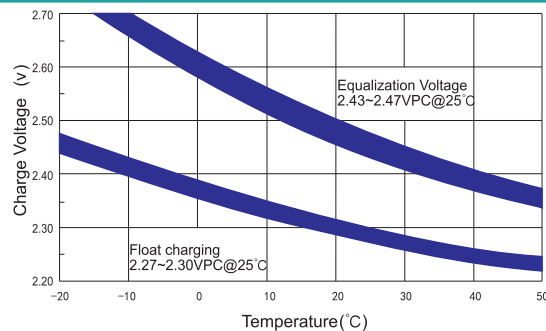
Charge Characteristic Curve For Standby Use



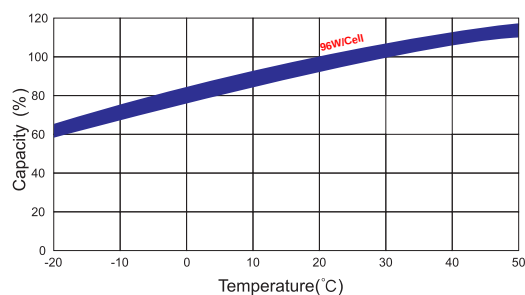
Storage Characteristics



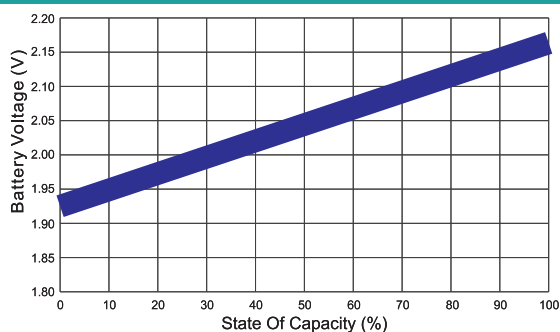
Relationship Between Charging Voltage And Temperature



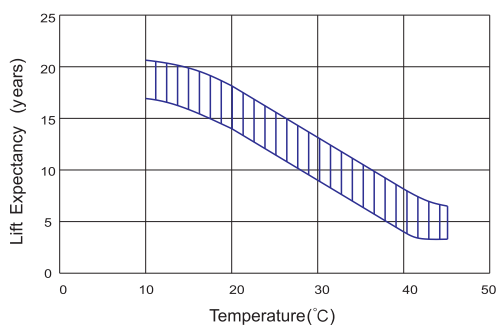
Temperature Effects On Capacity



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



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

