

JH12-380W



Applications

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

Specification

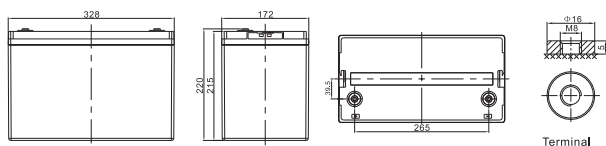
Nominal Voltage	12V
Nominal Capacity	100Ah (380W@15min-rate to 1.67V per cell @25℃)
Design life	15years
Terminal	M8
Approx. Weight	Approx 30.5kg (67.3lbs)
Container Material	ABS (UL94-HB, UL94-V0 Optional)
Rated Capacity	100Ah 20Hour Rate (5.00A to 10.8V)
	94.4Ah 10Hour Rate (9.44A to 10.8V)
	65.9Ah 1Hour Rate (65.9A to 10.5V)
Internal resistance	Full charged at 25℃: 5.00 mΩ
Max. Discharge Current	1000A(5S)
Operating Temperature	Discharge: -20 ~50℃ (-4 ~ 122°F)
	Charge: -20 ~50℃ (-4 ~ 122°F)
	Storage: -20 ~50℃ (-4 ~ 122°F)
Charge current:	Max. 30.0A ; Recom.10.0A
Charge Method (25℃)	Float Charge:13.7-13.9V,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: 328(L)×172(W)×215(H)×220(TH) Unit: mm



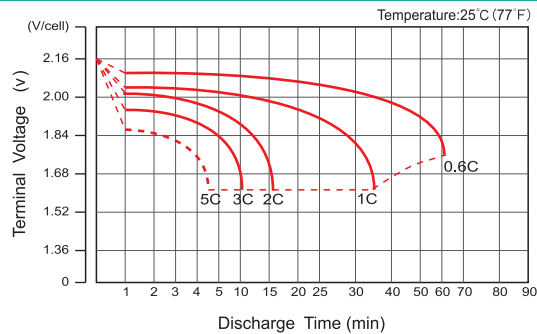
Constant Current Discharge Characteristics Unit: A (25℃, 77°F)

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	342	299	270	210	171	126	73.0	52.4
1.67V	310	274	249	196	161	119	69.6	50.2
1.70V	297	263	241	190	156	117	68.2	49.3
1.75V	274	245	225	180	149	112	65.9	47.7
1.80V	251	227	210	170	142	107	63.5	46.2
1.85V	216	193	178	146	123	94.5	57.4	42.1

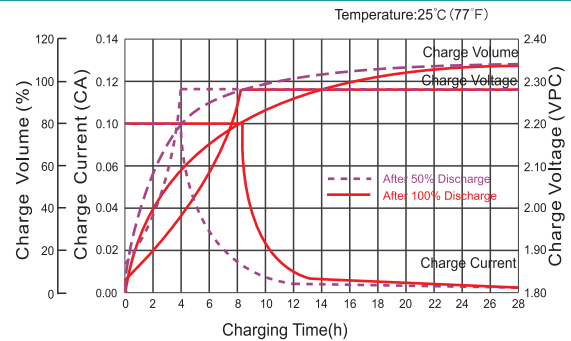
Constant Power Discharge Characteristics Unit: W/cell (25℃, 77°F)

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	628	556	508	401	329	245	137	99.1
1.67V	584	522	479	380	314	235	132	95.8
1.70V	565	506	466	371	307	230	130	94.5
1.75V	530	478	442	355	295	223	126	91.9
1.80V	494	449	418	339	284	215	122	89.4
1.85V	430	388	359	295	249	192	111	82.2

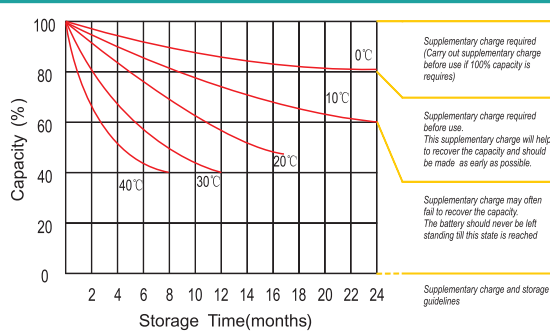
Discharge Characteristics Curve



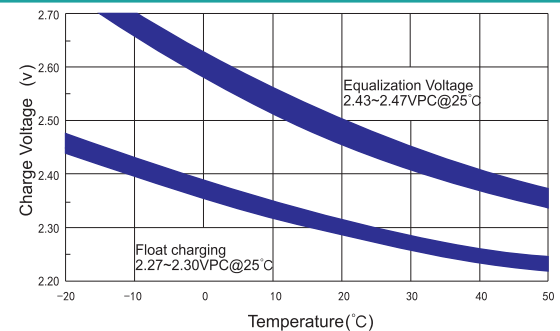
Charge Characteristic Curve For Standby Use



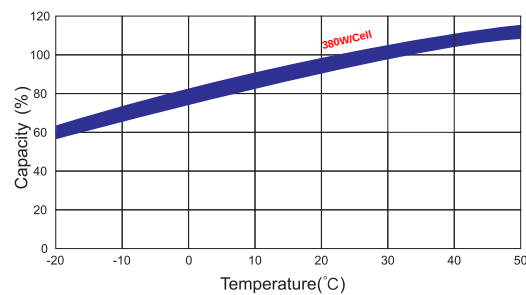
Storage Characteristics



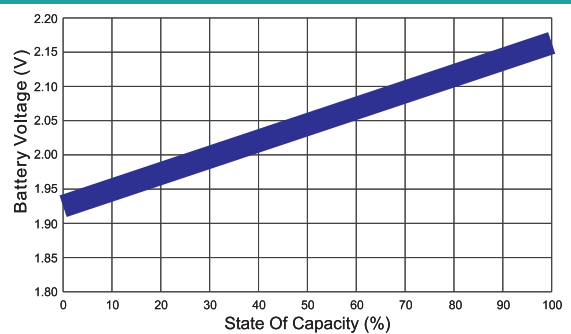
Relationship Between Charging Voltage And Temperature



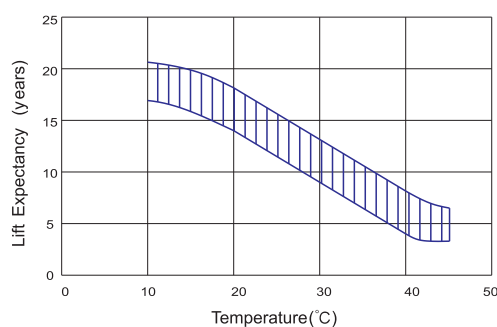
Temperature Effects On Capacity



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



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

