

JH12-700W

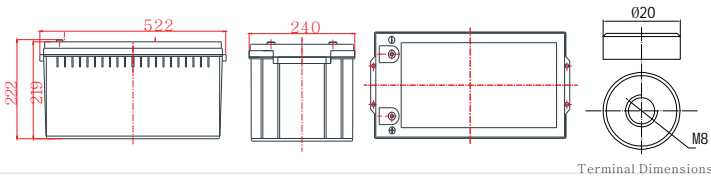


General Features

- > 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: 522(L)×240(W)×219(H)×222(TH) Unit: mm



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	210Ah(700W@15min-rate to 1.67V per cell @25°C)	
Design life	10 years	
Terminal	M8	
Approx. Weight	Approx61.5kg (135.6lbs)	
Container Material	ABS(UL94-HB, UL94-V0 Optional)	
Rated Capacity	210.0Ah	10Hour Rate (21.0A to 10.8V)
	166.5Ah	3Hour Rate (55.5A to 10.2V)
	137Ah	1Hour Rate (137A to 9.6V)
Internal resistance	Full charged at 25°C: 3.30 mΩ	
Max. Discharge Current	2100A(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. 52.5A ;Recom.21.0A
	Float Charge:	13.7-13.9V, 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	

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

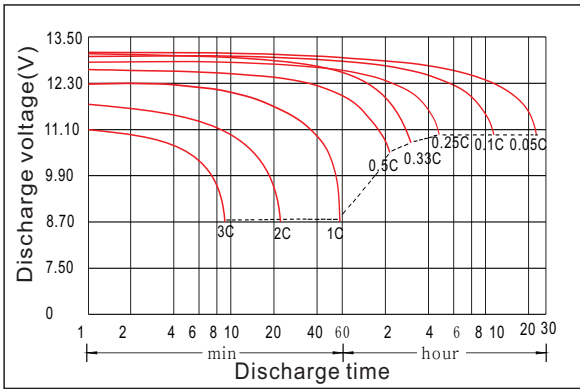
FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	402	225	168	137	109	71.8	56.5	42.4	36.9	31.9	24.5	21.7	11.4
1.67V	388	221	167	132	105	71.3	55.9	42.0	36.6	31.6	24.3	21.6	11.3
1.70V	380	217	165	129	103	70.5	55.5	41.7	36.4	31.4	24.0	21.4	11.2
1.75V	368	214	164	128	100	70.0	55.0	41.3	36.1	31.1	23.9	21.1	11.1
1.80V	343	205	162	121	95.4	69.2	54.4	41.0	35.6	30.8	23.6	21.0	11.0
1.85V	302	188	158	111	87.8	67.3	53.0	39.8	34.8	30.0	23.0	20.4	10.7

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

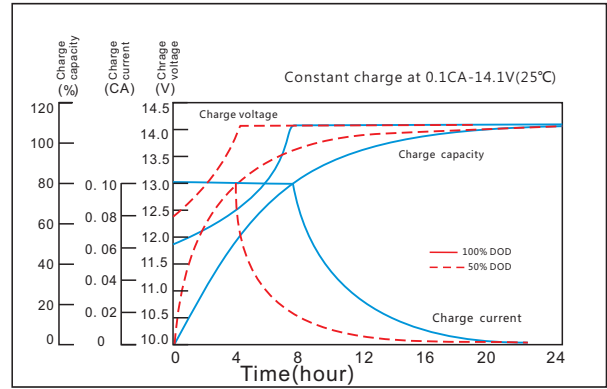
FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	713	407	330	258	206	142	112	83.4	72.8	62.7	49.5	42.7	22.7
1.67V	700	403	327	249	200	141	111	82.7	72.4	62.1	49.1	42.4	22.5
1.70V	693	402	224	248	197	140	110	81.8	72.0	61.6	48.8	42.0	22.4
1.75V	685	400	320	246	196	139	109	80.8	71.7	60.8	48.2	41.4	22.1
1.80V	650	391	317	244	194	138	108	80.1	71.3	60.2	47.8	41.0	22.0
1.85V	575	363	313	227	180	137	107	78.9	70.5	59.4	46.6	40.4	21.6

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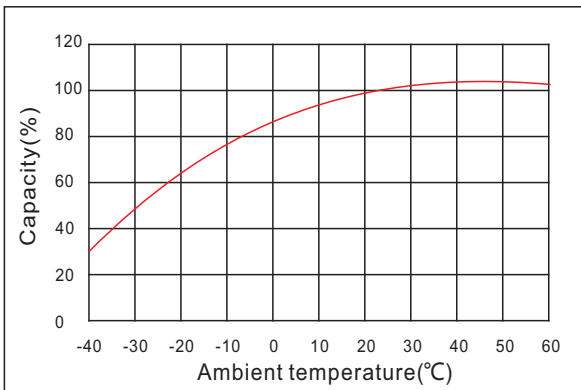
Discharge characteristic



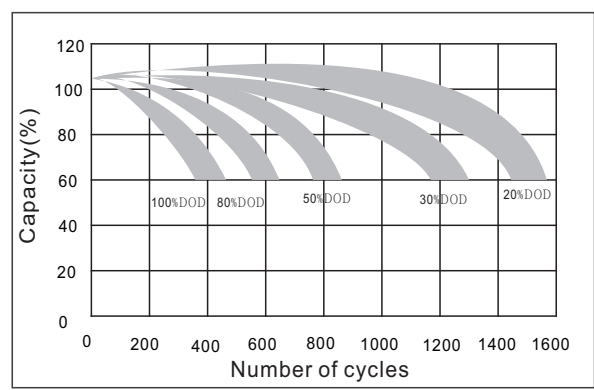
Charging characteristic



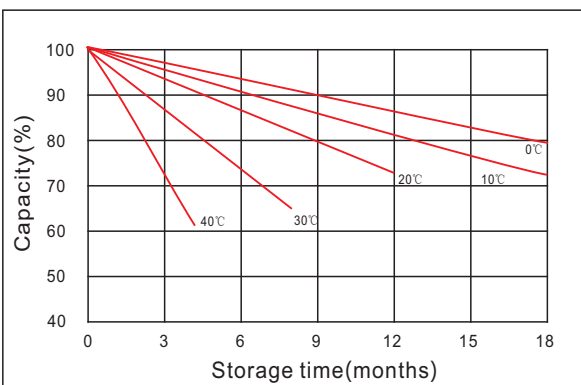
The effect of temperature on capacity



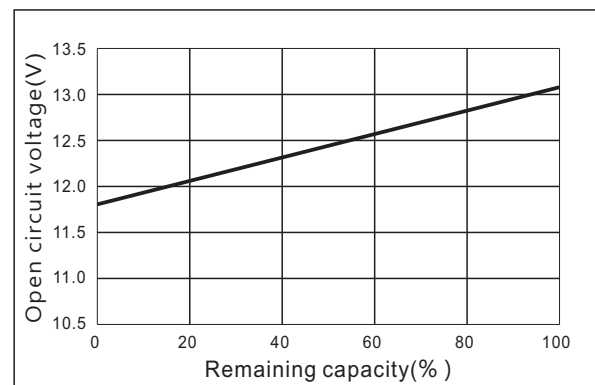
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



www.kiju.com.cn info@kiju.com.cn

Jiangxi Jingjiu Power Science & Technology Co. Ltd.
Add: 1388 Fushan No.1 Street, Xiaolan Economic Development Zone, Nanchang City, Jiangxi Province, China.

+86-791-85982779 +86-791-85989842

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.
Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, Jiujiang City, Jiangxi Province, China.

