

JPC12-35

JPC Series lead-Carbon battery

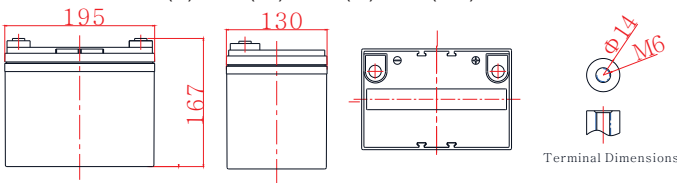


General Features

- › Lead-carbon composite negative plate, both capacitance and battery characteristics
- › Long cycle life, excellent deep cycle discharge ability
- › Excellent charge acceptance ability
- › Optimized capability of instant high-current discharging
- › Strong high and low temperature performance
- › Precision sealing technology



Dimension: 195(L)×130(W)×167(H)×167(TH) Unit: mm



Applications

- › Solar/ wind energy and other new energy storage
- › Hybrid vehicles, electric bicycles and other new energy vehicles
- › Other backup or cycle purposes

Specification

Nominal Voltage	12V		
Nominal Capacity	35Ah		
Design life	15 years		
Terminal	M6		
Approx. Weight	Approx 11.5kg (25.3lbs)		
Container Material	ABS		
Rated Capacity	35.0Ah	10Hour Rate	(3.50A to 10.8V)
	28.5Ah	3Hour Rate	(9.49A to 10.8V)
	23.1Ah	1Hour Rate	(23.1A to 10.5V)
Internal resistance	Full charged at 25°C: 12.7 mΩ		
Max. Discharge Current	420A(5S)		
Operating Temperature	Discharge: -20 ~60°C(-4~ 140°F)		
	Charge: -20 ~50°C(-4~ 122°F)		
	Storage: -20 ~50°C(-4~ 122°F)		
Charge current:	Max. 10.5A ; Recom.3.50~7.00A		
Charge Method (25 °C)	Standby Use:Initial Charging Current Less than 10.5A Voltage 13.6-13.8V		
	Cycle Use :Initial Charging Current Less than 10.5A Voltage 14.4-14.9V		
Self discharge	3% of capacity declined per month at 25°C		

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

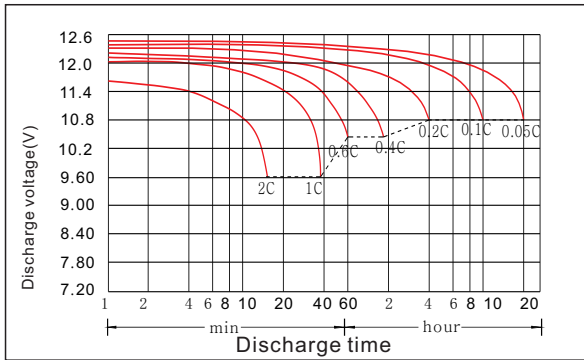
F. V/Time	5min	15min	30min	1h	2h	3h	5h	6h	8h	10h
1.60V	126	67.6	41.1	23.8	13.6	9.95	6.65	4.37	3.68	1.93
1.65V	122	65.5	40.4	23.7	13.5	9.76	6.59	4.33	3.64	1.92
1.70V	117	64.1	39.7	23.5	13.4	9.67	6.51	4.29	3.60	1.91
1.75V	108	62.0	39.3	23.1	13.3	9.58	6.45	4.26	3.57	1.90
1.80V	96.7	57.8	37.7	22.6	13.0	9.49	6.27	4.23	3.50	1.89
1.85V	86.0	51.6	34.4	20.9	12.3	8.93	5.96	4.05	3.43	1.86

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

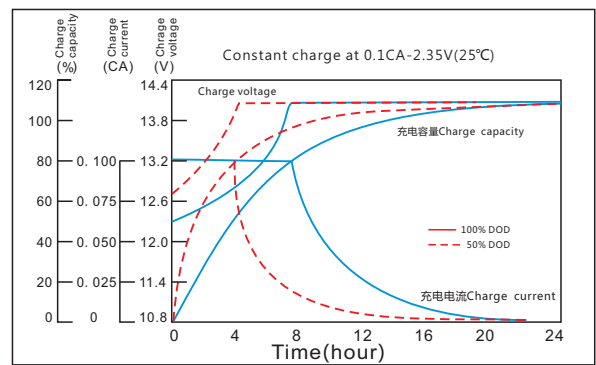
F. V/Time	5min	15min	30min	1h	2h	3h	5h	6h	8h	10h
1.60V	211	119	74.4	45.0	25.8	18.9	12.6	8.48	7.07	3.82
1.65V	203	117	73.7	44.7	25.7	18.6	12.5	8.42	7.00	3.80
1.70V	202	115	73.7	44.3	25.6	18.5	12.4	8.38	6.93	3.79
1.75V	188	115	73.3	43.9	25.5	18.4	12.3	8.31	6.86	3.77
1.80V	173	109	71.6	43.7	25.4	18.3	12.3	8.24	6.79	3.75
1.85V	155	96.7	65.7	40.5	24.3	17.4	11.7	7.97	6.68	3.71

JPC12-35

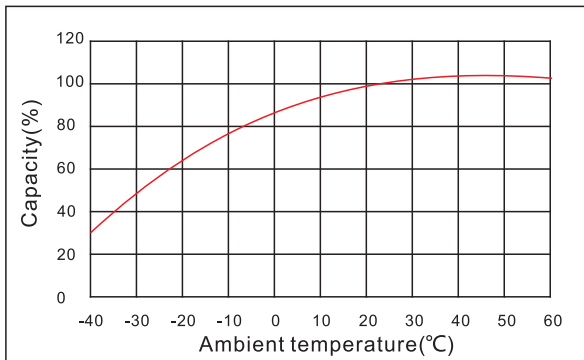
Discharge characteristic



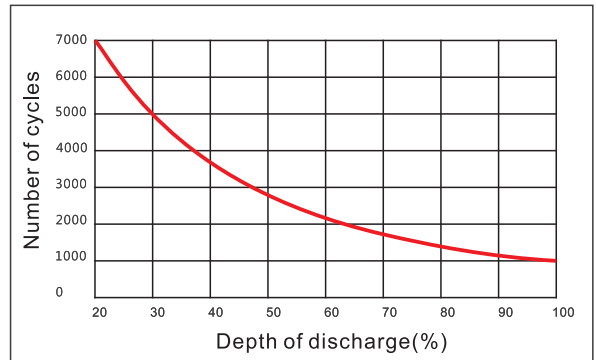
Charging characteristic



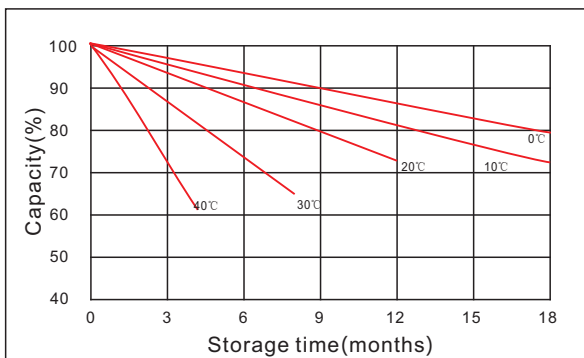
The effect of temperature on capacity



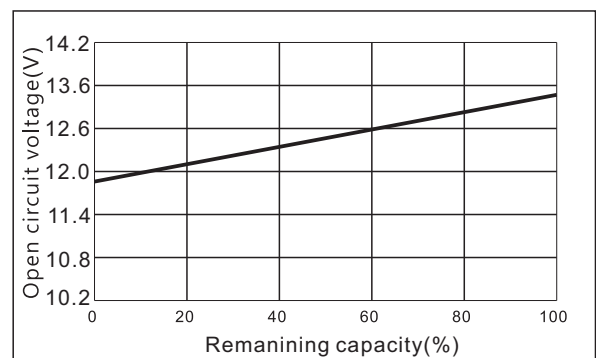
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of discharge depth on cycle life



www.kijo.com.cn info@kijo.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.

