

## JPC12-70



### Applications

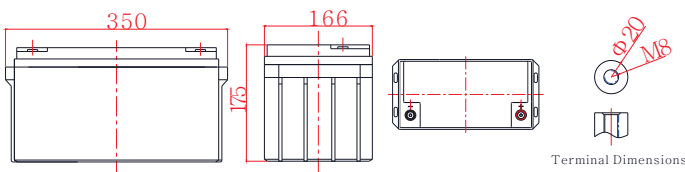
- > Solar/ wind energy and other new energy storage
- > Hybrid vehicles, electric bicycles and other new energy vehicles
- > Other backup or cycle purposes

### 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: 350(L)×166(W)×175(H)×175(TH) Unit: mm



### Specification

Nominal Voltage	12V
Nominal Capacity	65Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx 21.0kg (46.3lbs)
Container Material	ABS
Rated Capacity	65.0Ah → 10Hour Rate (6.50A to 10.8V)
	52.8Ah → 3Hour Rate (17.6A to 10.8V)
	43.0Ah → 1Hour Rate (43.0A to 10.5V)
Internal resistance	Full charged at 25°C: 7.20 mΩ
Max. Discharge Current	780A(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. 19.5A ; Recom.6.50~13.0A
Charge Method (25 °C)	Float Charge:13.5-13.8V,recom.13.5V(-18mV/ °C)
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)
	Cycle charge:14.4-15.0V,recom.14.4V(-30mV/ °C)
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	8h	10h	20h
1.60V	234	126	76.3	44.2	25.3	18.4	12.4	8.11	6.83	3.58
1.65V	226	122	75.0	43.9	25.2	18.2	12.2	8.04	6.76	3.56
1.70V	217	119	73.7	43.6	25.0	18.0	12.1	7.98	6.70	3.55
1.75V	200	115	73.1	43.0	24.6	17.8	12.0	7.91	6.63	3.53
1.80V	179	107	69.9	41.9	24.2	17.6	11.6	7.85	6.50	3.51
1.85V	160	95.8	63.8	38.8	23.0	16.6	11.1	7.52	6.37	3.45

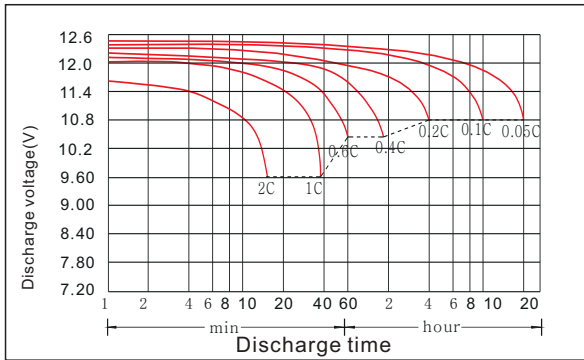
### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F. V/Time	5min	15min	30min	1h	2h	3h	5h	6h	8h	10h
1.60V	392	221	138	83.6	47.9	35.0	23.4	15.8	13.1	7.09
1.65V	377	217	137	82.9	47.8	34.5	23.3	15.6	13.0	7.06
1.70V	375	215	137	82.3	47.6	34.4	23.1	15.6	12.9	7.02
1.75V	349	213	136	81.6	47.4	34.2	23.0	15.4	12.7	6.99
1.80V	321	202	133	81.0	47.2	34.0	22.7	15.3	12.6	6.96
1.85V	287	180	122	75.2	45.1	32.4	21.7	14.8	12.4	6.89

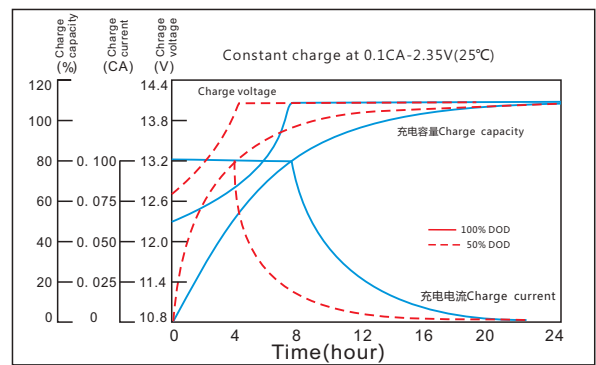
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

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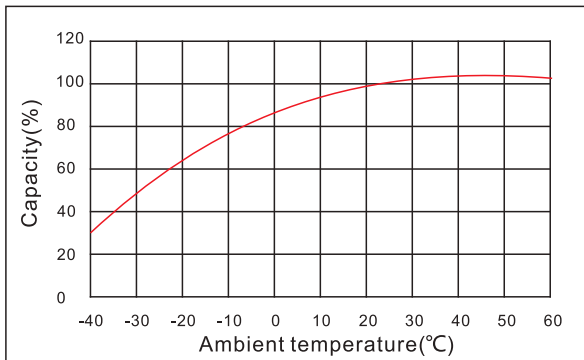
Discharge characteristic



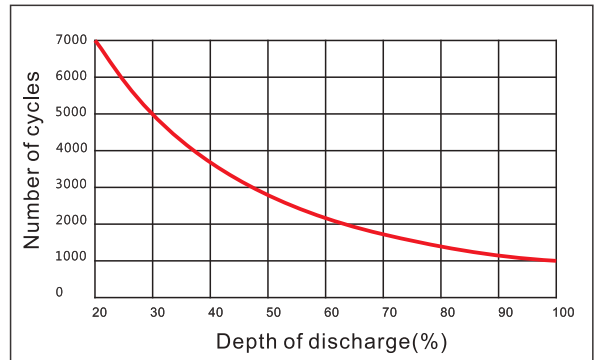
Charging characteristic



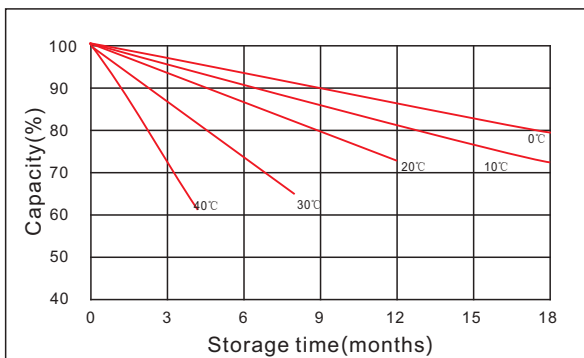
The effect of temperature on capacity



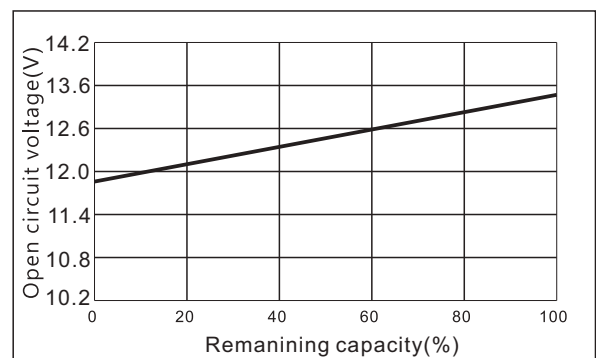
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of discharge depth on cycle life



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