



JPC Series lead-Carbon battery

JPC12-100

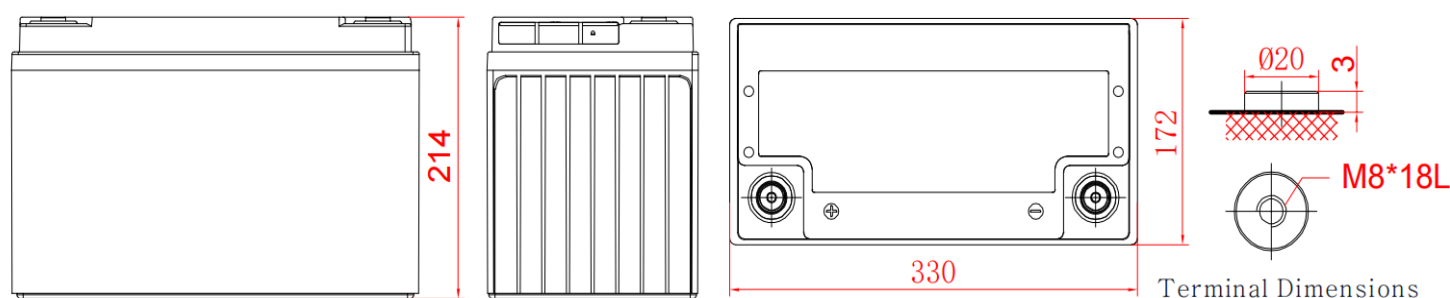
General Features

- 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:330(L)×172(W) ×214(H)×214(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx30.85kg±3% (68.01lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
20Hour Rate (6.25A to 10.5V)	125.0Ah
3Hour Rate (33.4A to 10.5V)	100.0Ah
1Hour Rate (80.0A to 10.5V)	80.0Ah
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)	
Max charge current	15A
Float Use:	13.7-13.9V@25
Cycle Use :	14.7-14.9V,@25

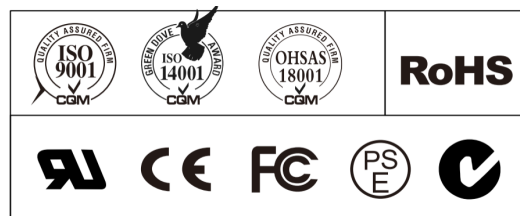
Standards

Executive standard :GB/T32620-2016

Applications

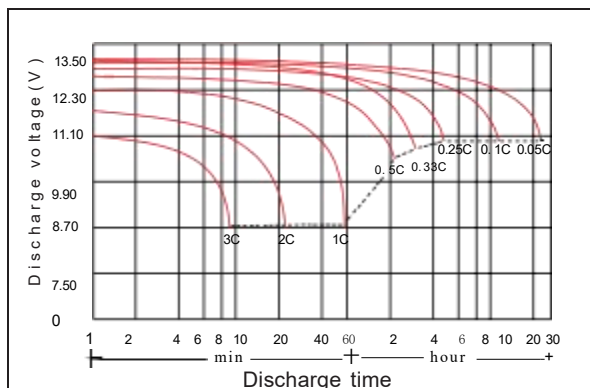
- Solar/ wind energy and other new energy storage
- Hybrid vehicles, electric bicycles and other new energy vehicles
- Other backup or cycle purposes

Attain Certificate

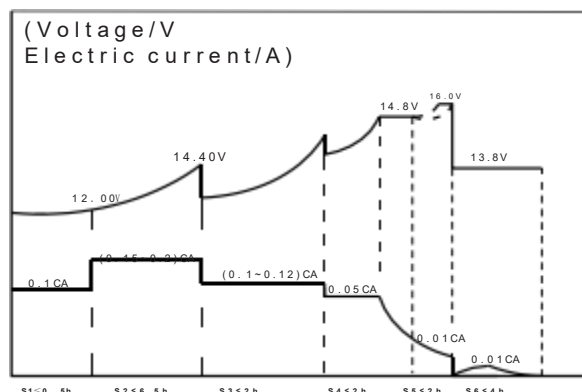


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

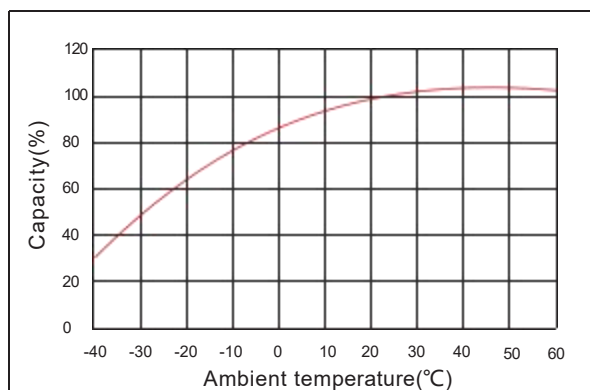
Discharge characteristic



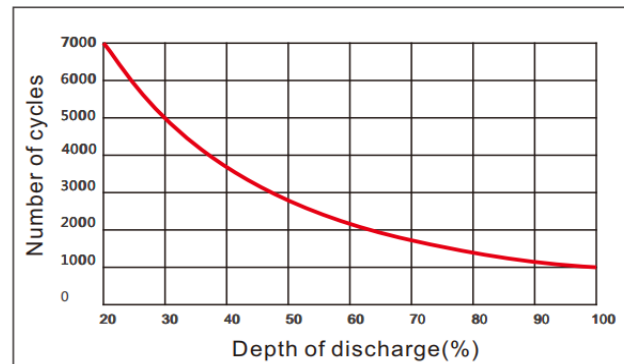
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	151	82.3	47.4	34.6	22.2	13.9	11.7	6.34
1.65V	148	81.8	47.1	34.4	22.0	13.8	11.6	6.31
1.70V	145	81.2	46.7	33.8	21.8	13.7	11.5	6.28
1.75V	144	80.0	46.0	33.4	21.5	13.5	11.4	6.25
1.80V	138	78.0	45.2	33.3	21.0	13.5	11.3	6.22
1.85V	126	72.3	42.9	31.3	19.9	12.9	10.9	6.11

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	273	156	89.4	66.0	42.1	27.1	22.6	12.6
1.65V	270	155	89.1	65.2	41.8	26.8	22.3	12.5
1.70V	270	153	88.9	64.7	41.6	26.7	22.1	12.4
1.75V	269	152	88.3	64.3	41.3	26.6	21.9	12.4
1.80V	261	151	88.1	64.2	40.8	26.3	21.7	12.3
1.85V	240	140	84.1	61.0	38.9	25.5	21.3	12.2