



JPC Series lead-Carbon battery

JPC6-390

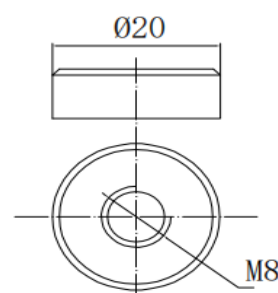
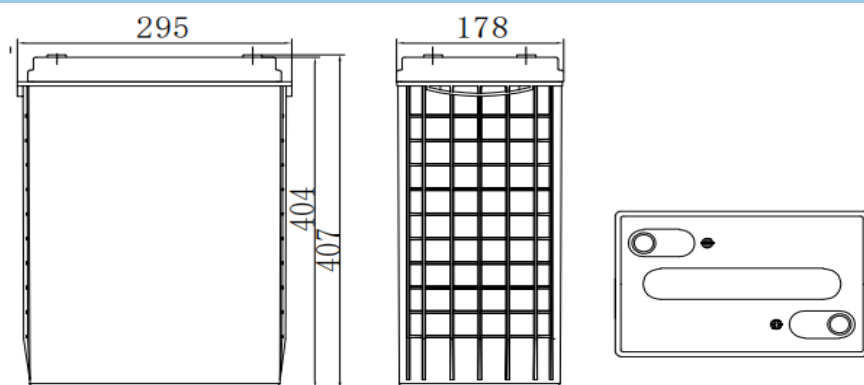
General Features

- 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:295(L)×178(W) ×404(H)×424(TH)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	6V
Nominal Capacity	390Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx55.0kg (121.3lbs)
Container Material	ABS
short-circuit current	3333A
Internal resistance(Full charged at 25°C:)	1.8 mΩ
Self discharge	3% of capacity declined per month at 25°C

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. 76.0A;Recom.38.0A
Float charge:6.75-6.90V	recom.6.90V(-9mV/ °C)
Equalize charge:6.90-7.05V	recom.7.05V(-12mV/ °C)
Cycle charge:7.20-7.50V	recom.7.20V(-15mV/ °C)

Standards

Executive standard GB/T 32620.1-2016

Applications

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

Rated Capacity

20Hour Rate (19.0A to 5.25V)	390.0Ah
3Hour Rate (101A to 5.10V)	303.0Ah
1Hour Rate (234A to 4.80V)	234.0Ah

Attain Certificate



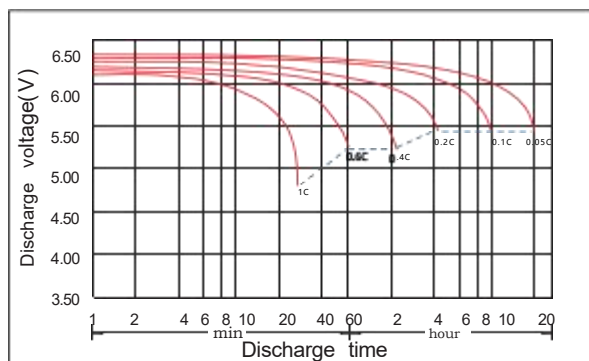
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



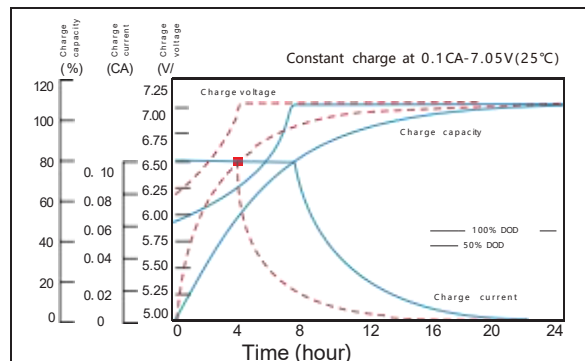
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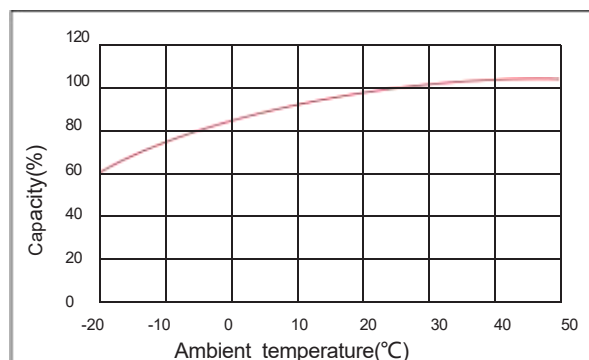
Discharge characteristic



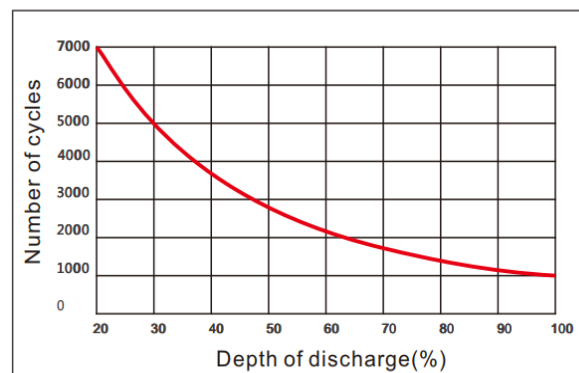
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



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	672.1	398.9	292.0	230.3	171.1	136.6	102.7	82.8	70.4	59.9	46.2	38.4	20.10
1.65V	645.7	383.0	280.3	221.4	166.0	133.5	99.6	80.1	68.6	59.0	45.7	38.0	19.78
1.70V	604.7	366.0	268.0	212.1	159.5	127.9	96.9	78.3	66.8	57.8	45.0	37.4	19.60
1.75V	562.8	346.4	256.1	205.5	152.9	123.4	94.0	76.3	65.1	56.3	44.3	36.90	19.50
1.80V	530.0	336.9	247.0	196.5	145.7	119.6	92.9	74.1	63.5	54.6	43.6	36.43	19.30
1.85V	439.8	285.1	215.5	172.8	131.7	105.8	81.7	67.2	57.7	49.8	40.9	33.60	18.51

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	1180.7	724.5	531.4	421.9	316.8	251.3	193.8	155.0	132.5	115.0	90.2	75.5	39.58
1.65V	1145.5	702.9	514.3	409.9	308.8	247.0	191.0	151.4	129.5	113.9	89.4	74.7	39.01
1.70V	1088.9	678.6	508.2	399.1	304.4	239.0	183.0	147.8	126.6	111.5	88.2	73.7	38.58
1.75V	1028.1	655.2	487.3	390.6	295.9	232.7	181.8	144.6	123.8	109.0	87.1	72.81	38.44
1.80V	972.3	632.6	468.9	374.5	280.6	228.9	176.9	143.1	121.1	107.2	85.9	71.97	38.21
1.85V	810.2	550.3	416.6	334.6	260.7	209.4	158.8	131.5	113.3	98.0	80.8	67.86	35.97