

# WEC SOLAR+ JPC6-225



## JPC Series lead-carbon battery

### Applications

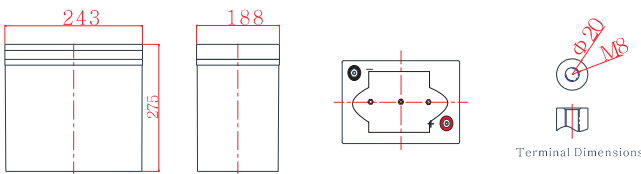
- › Solar / wind energy and other new energy storage
- › Hybrid vehicles, electric bicycles and other new energy vehicles
- › Other backup or cycle purposes

### 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



Dimension: 243(L) × 188(W) × 275(H) × 275(TH) Unit: mm



### Specification

Nominal Voltage	6V
Nominal Capacity	225Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx 32.0kg (70.5lbs)
Container Material	ABS
Rated Capacity	225Ah 20Hour Rate (11.3A to 5.25V)
	170Ah 3Hour Rate (56.6A to 5.25V)
	141Ah 1Hour Rate (141A to 5.25V)
Internal resistance	Full charged at 25°C: 1.8 mΩ
Max. Discharge Current	2520A(5S)
Operating Temperature	Discharge: -40 ~60°C (-40 ~ 140°F)
	Charge: -20 ~50°C (-4 ~ 122°F)
	Storage: -20 ~50°C (-4 ~ 122°F)
Charge current:	Max. 67.5A ; Recom. 22.5~45.0A
Charge Method (25°C)	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. 7.45V (-15mV/°C)
Self discharge	3% of capacity declined per month at 25°C

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

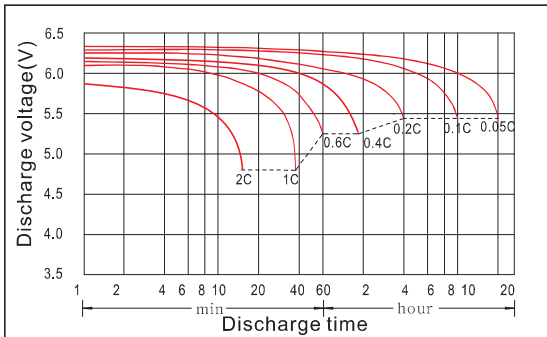
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	737	396	241	141	80.8	58.6	39.4	25.8	21.8	11.4
1.65V	715	384	237	140	80.4	58.0	39.0	25.6	21.5	11.4
1.70V	686	376	233	139	79.8	57.2	38.5	25.4	21.3	11.3
1.75V	631	363	231	137	78.5	56.6	38.1	25.2	21.1	11.3
1.80V	566	339	221	133	77.1	56.2	37.1	25.0	20.9	11.2
1.85V	504	302	201	124	73.2	52.9	35.3	24.0	20.3	11.0

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

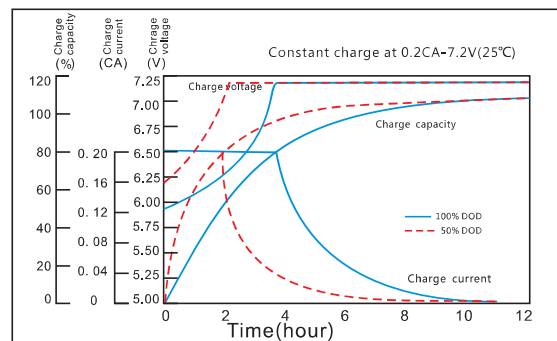
FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1236	698	436	266	153	112	74.6	50.2	41.8	22.6
1.65V	1189	685	432	264	152	110	74.2	49.8	41.4	22.5
1.70V	1183	677	432	262	152	109	73.6	49.6	41.0	22.4
1.75V	1103	673	430	260	151	109	73.2	49.2	40.6	22.3
1.80V	1013	636	419	258	150	108	72.4	48.8	40.2	22.2
1.85V	904	569	385	240	144	103	69.1	47.1	39.5	22.0

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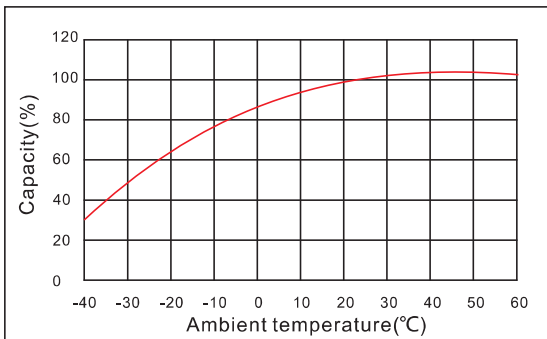
Discharge characteristic



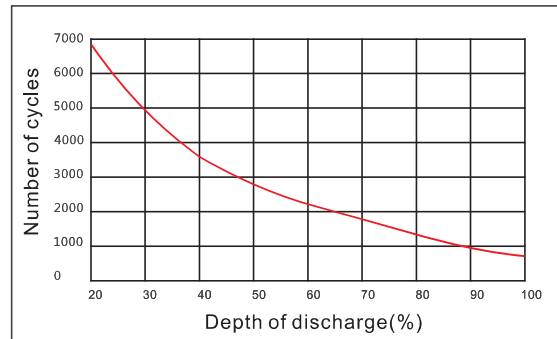
Charging characteristic



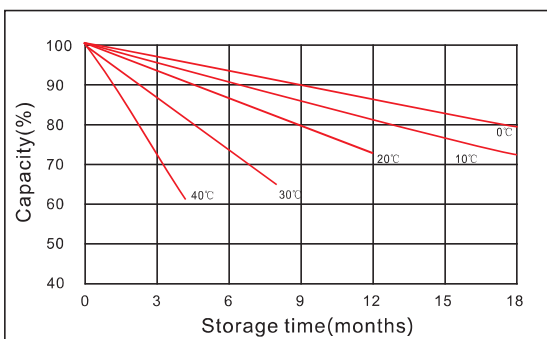
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

