

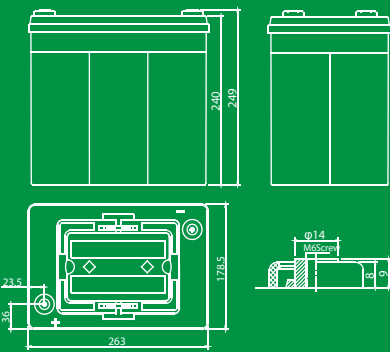
# 6-SPB Series Spiral Pure Lead Battery 6-SPB-75



power the future



## • Dimensions :



## • Compliant Standards :

- \* GB/T 19638.2
- \* YD/T799
- \* JISC8704-2
- \* IEC60896-22

## • Attain Certificate :

- ISO9001  
(03006Q10084R1M)
- ISO14001  
(03004E10097R0M)
- ISO18001  
(03006S10002R0M)

## • Main Applications

- UPS
- Communication station
- Solar energy storage
- Smart grid
- Different standby power supply

## • Benefits

- Applicable in -45 °C ~ 75 °C
- The cycle life of 100% DOD reaches more than 350 times
- The designed float life is 15 years
- The time of high rate discharge is more than ordinary battery

## • Technical Features

- With ultra-thin pure lead frame design, a higher charge efficiency with trickle current is achieved
- With unique spiral wound design ,the dehydration and bulging deformation of the battery are avoided in high-temperature
- Excellent fast charging performance, more than 95% of electricity is gained within 40 minutes
- Good battery consistency, available more strings in parallel

## • Technical Parameters

Normal Voltage	12V
Capacity	75 Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Weight	25 kg(55.12lbs)
Dimensions	Length:263mm (10.35in) Width:178.5mm (7.03in) Height: 240mm (9.45in) Total height:249mm (9.80in)
Internal Resistance (full charged)	2.4 mΩ
Short- circuit Current	2695 A
Self Discharge @25°C(77°F)	Less than 8 % after 90 days storage
Operating Temperature Range	Discharge: -45°C ~ 75°C(-49°F ~ 167°F) Charge: -20°C ~ 50°C(-4°F ~ 122°F) Storage: -20°C ~ 40°C(-4°F ~ 104°F)
Recommended Operating Temperature	15°C ~ 25°C
Recommended Charging Current	30 A
Charging Voltage @25°C(77°F)	Float: 2.25 V/cell, Temps coefficient -3mV/ cell•°C Cycle: 2.40 V/cell
Terminal	M6
Capacity Affected by Temperature(C <sub>10</sub> )	105 % @ 40°C(104°F) 95 % @ 0°C(32°F) 80 % @ -20°C(-4°F)

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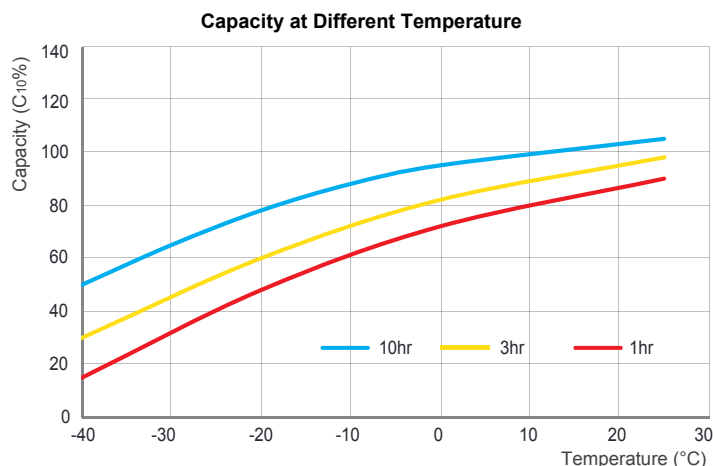
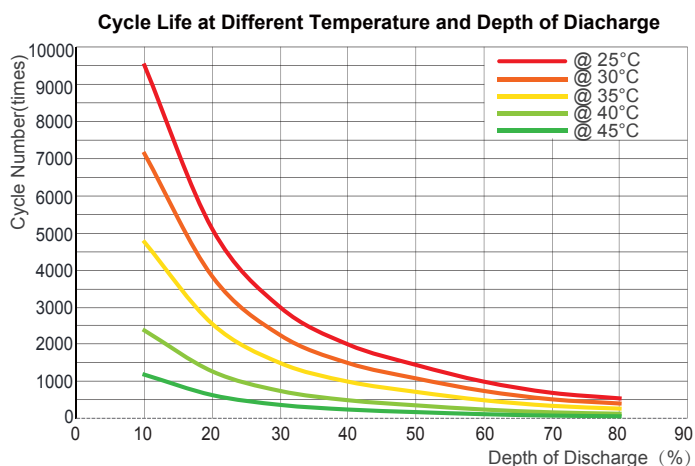
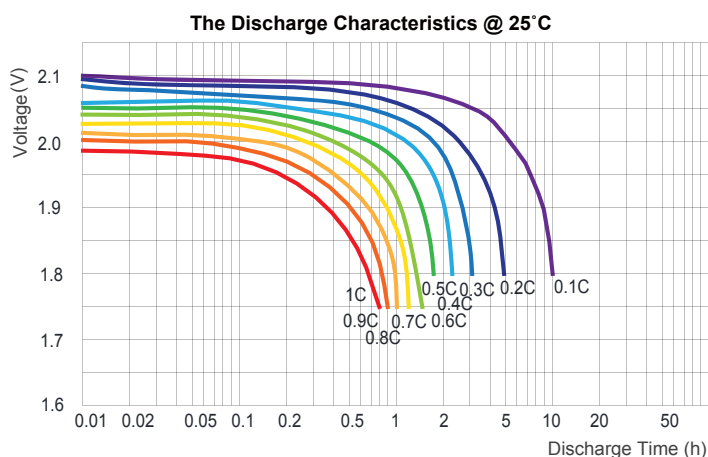
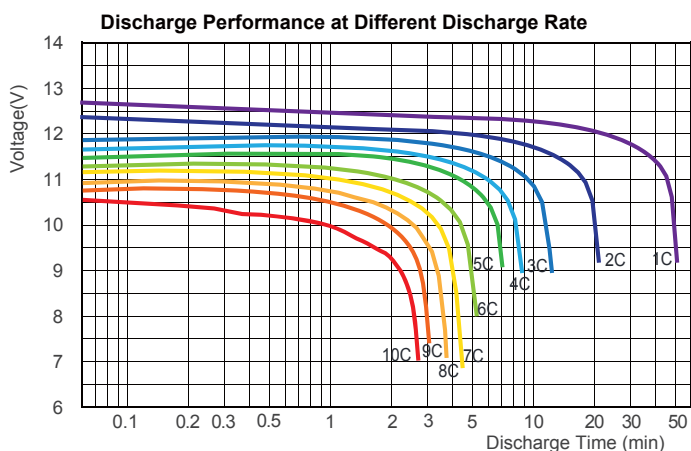
## • Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	2min	5min	10min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.85V	435.2	335.4	214.4	163.7	99.3	60.6	32.9	21.5	12.6	9.0	7.4	3.5
1.75V	551.4	416.6	245.4	179.4	103.5	62.7	33.5	23.3	13.8	9.5	7.6	3.8
1.65V	666.2	419.1	255.8	188.0	110.1	64.7	34.1	23.9	13.9	9.6	7.7	3.9

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

F.V/Time	2min	5min	10min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.85V	816.6	633.9	408.0	313.7	193.0	119.4	65.2	42.8	25.5	18.1	14.6	7.7
1.75V	994.4	759.5	451.9	334.0	196.7	121.5	65.5	46.5	27.8	18.3	14.8	7.8
1.65V	1160.2	740.4	457.8	341.1	205.3	123.7	66.0	47.0	28.0	18.4	15.0	8.0

## • Performance Curve:



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