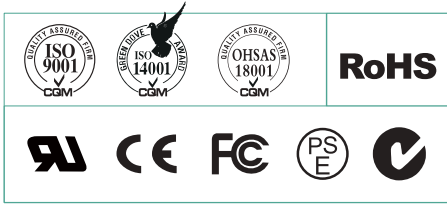


## JL2-900

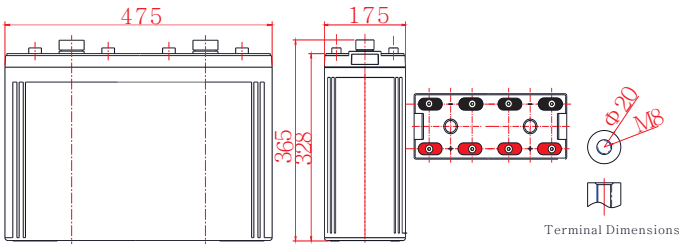


### General Features

- › High corrosion resistant performance: Pb-Ca multi-alloy grid
- › Long life
- › Excellent charge acceptance ability
- › Excellent deep cycle discharge capability
- › Strong high and low temperature performance
- › Precision sealing technology



Dimension: 475(L)×175(W)×328(H)×365(TH) Unit: mm



### Applications

- › Telecommunications system
- › Power systems
- › UPS/EPS
- › Auto control system
- › Solar/wind generating storage cyclic
- › Other general purpose

### Specification

Nominal Voltage	2V	
Nominal Capacity	900Ah	
Design life	15 years	
Terminal	M8	
Approx. Weight	Approx 60.0kg (132lbs)	
Container Material	ABS	
Rated Capacity	900Ah	10Hour Rate (90.0A to 1.80V)
	693Ah	3Hour Rate (231A to 1.80V)
	321Ah	1Hour Rate (321A to 1.75V)
Internal resistance	Full charged at 25°C: 0.22 mΩ	
Max. Discharge Current	9000A(5S)	
Operating Temperature	Discharge: -20 ~50°C(-4~ 122°F)	
	Charge: -20 ~50°C(-4~ 122°F)	
	Storage: -20 ~50°C(-4~ 122°F)	
Charge current:	Max. 180A ; Recom.90.0A	
Charge Method (25 °C)	Float Charge:2.23-2.27V,recom.2.25V(-3mV/ °C)	
	Equalize charge:2.30-2.35V,recom.2.35V(-4mV/ °C)	
	Cycle charge:2.40-2.50V,recom.2.40V(-5mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

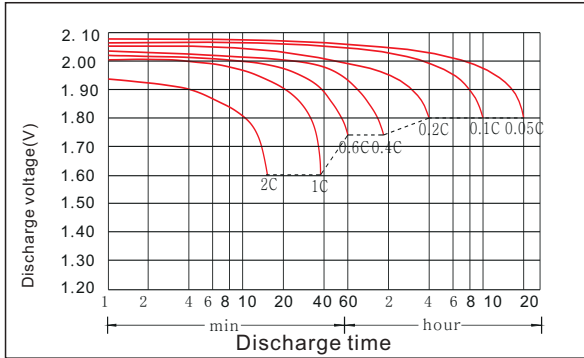
### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1294	959	600	353	260	174	118	97.4	52.2
1.65V	1206	899	569	345	253	170	117	96.6	51.6
1.70V	1131	844	543	333	245	169	115	95.2	51.0
1.75V	1071	784	519	321	239	164	114	93.7	50.2
1.80V	1009	735	485	304	231	160	111	90.0	48.2
1.85V	896	655	442	282	219	155	108	89.1	47.7

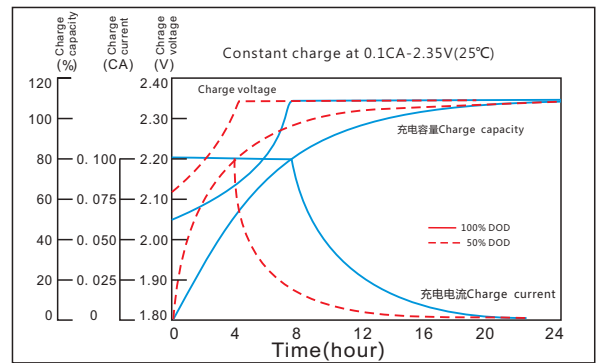
### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	2199	1752	1236	743	545	369	250	206	110
1.65V	2111	1683	1142	719	525	358	246	201	108
1.70V	2036	1616	1088	692	505	351	241	196	105
1.75V	1960	1560	1045	667	486	342	232	192	103
1.80V	1868	1505	984	636	469	332	226	190	101
1.85V	1701	1339	910	582	444	317	218	182	97.5

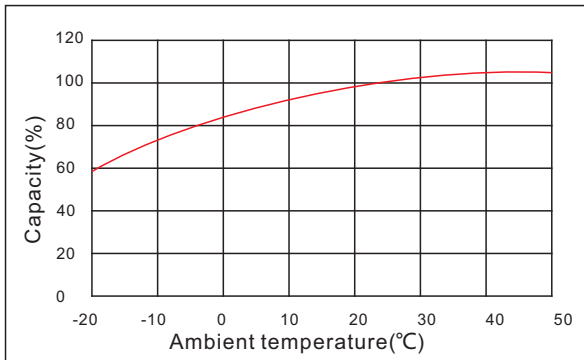
Discharge characteristic



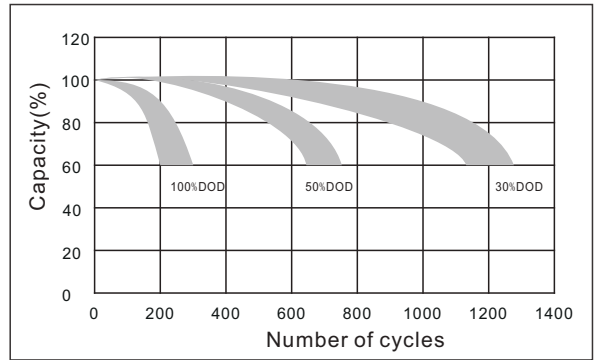
Charging characteristic



The effect of temperature on capacity



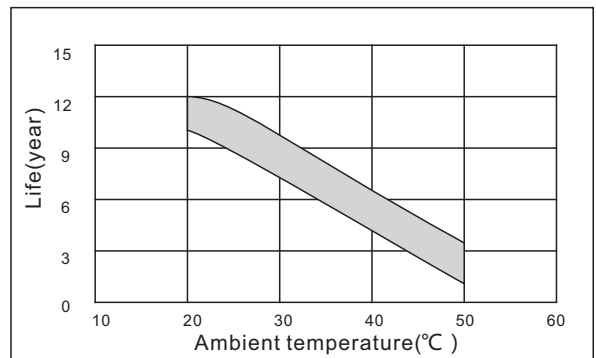
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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