

OPzS2-800



Applications

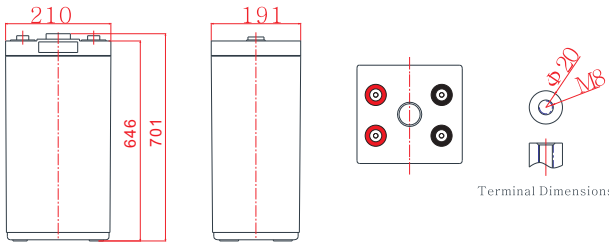
- > Solar / wind energy and other new energy storage
- > Power systems
- > Telecommunications system
- > UPS/EPS
- > Auto control system
- > Other general purpose

General Features

- > Tubular plate design to enhance battery performance
- > Tubular plate design makes long battery life
- > Relatively rich electrolyte, high temperature and low temperature performance is superior
- > Long cycle life, excellent deep cycle discharge ability
- > Excellent charge acceptance ability
- > Precision sealing technology



Dimension: 210 (L)×191 (W)×646 (H)×701 (TH) Unit: mm



Specification

Nominal Voltage	2V	
Nominal Capacity	800Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 64.0kg (141lbs) Dry cell 48.2Kg	
Container Material	ABS	
Rated Capacity	800Ah	10Hour Rate (80.0A to 1.80V)
	570Ah	3Hour Rate (190A to 1.80V)
	422Ah	1Hour Rate (422A to 1.75V)
Internal resistance	Full charged at 25°C: 0.31 mΩ	
Max. Discharge Current	6650A(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.160A ; Recom.80A	
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)

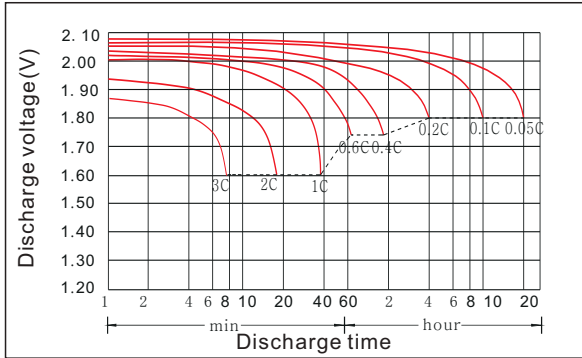
F.V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	956	670	458	286	206	141	101	85.0	49.6
1.65V	923	647	448	280	203	140	100	84.1	48.9
1.70V	869	620	434	268	200	138	100	83.6	48.3
1.75V	824	597	422	267	195	136	97.3	82.5	47.6
1.80V	725	546	401	256	190	132	95.2	80.0	47.0
1.85V	612	460	373	243	185	128	93.0	79.2	45.4

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

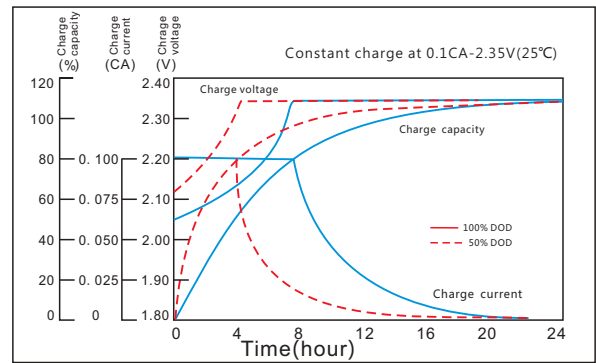
F.V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	2020	1432	1096	605	459	310	225	190	99.4
1.65V	1924	1357	1020	601	466	308	223	188	98.4
1.70V	1831	1295	955	592	450	303	220	186	97.6
1.75V	1737	1243	899	576	440	293	217	182	96.6
1.80V	1828	1193	848	556	427	279	206	173	95.8
1.85V	1522	1146	834	535	406	272	201	166	93.5

OPzS2-800

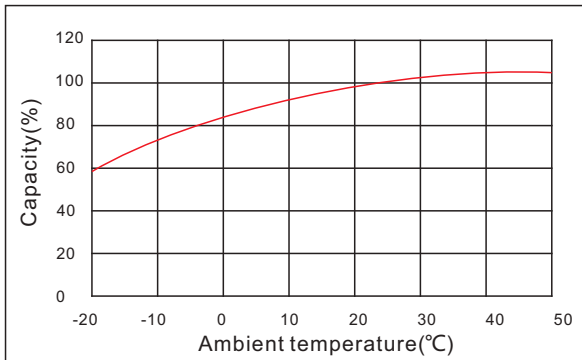
Discharge characteristic



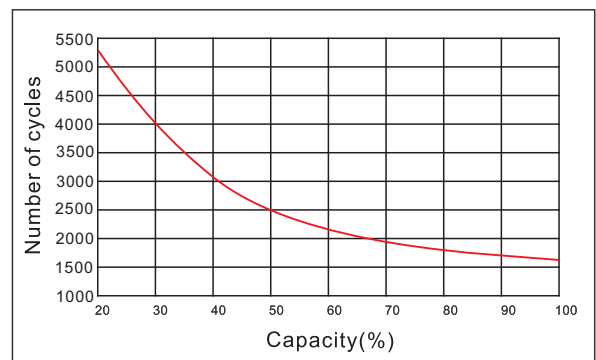
Charging characteristic



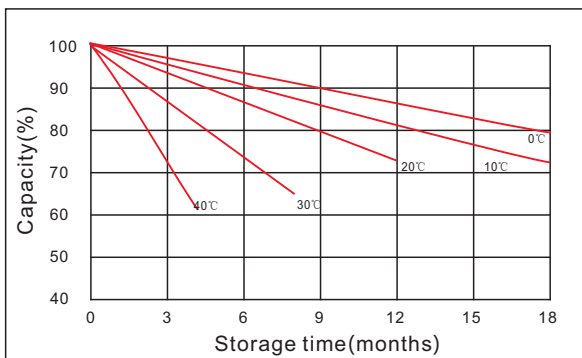
The effect of temperature on capacity



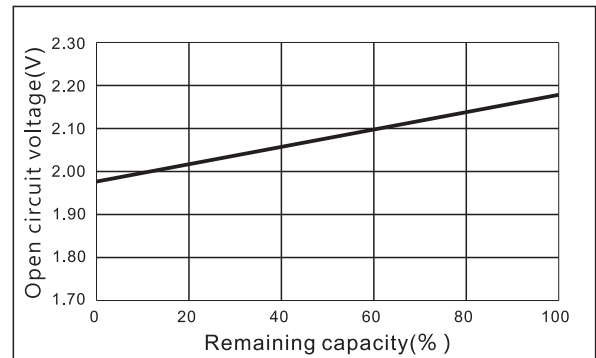
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



www.kijo.com.cn info@kijo.com.cn

Jiangxi Jingjiu Power Science&Technology Co. Ltd.
Add: 1388 Fushan No.1 Street, Xiaolan Economic Development Zone, Nanchang City, Jiangxi Province, China.

+86-791-85982779 +86-791-85989842

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.
Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, Jiujiang City, Jiangxi Province, China.

