

OPzS2-1200



Applications

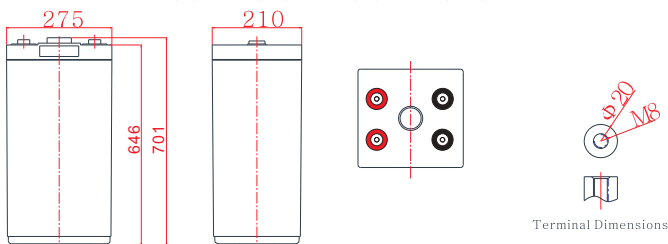
- > Solar / wind energy and other new energy storage
- > Power systems
- > Telecommunications system
- > UPS/EPS
- > Auto control system
- > Other general purpose

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



Specification

Nominal Voltage	2V	
Nominal Capacity	1200Ah	
Design life	20 years	
Terminal	M8, Ø=20	
Approx. Weight	Approx 92kg (203lbs)(Dry cell 64Kg)	
Container Material	SAN transparent container	
Rated Capacity	1268.0Ah	10Hour Rate (126.8A to 1.80V)
	1082.5Ah	5Hour Rate (216.5A to 1.75V)
	727.0Ah	1Hour Rate (727.0A to 1.60V)
Internal resistance	Full charged at 25°C: 0.21 mΩ	
Max. Discharge Current	9950A(5S)	
Operating Temperature	Discharge: -20 ~55°C(-4~ 131°F)	
	Charge: -10 ~45°C(14~ 113°F)	
	Storage: -15 ~45°C(5~ 113°F)	
Charge current:	Max.240A ; Recom.120A	
Charge Method (25 °C)	Float Charge:2.23-2.25V,recom.2.25V(-3mV/ °C)	
	Equalize charge:2.30-2.40V,recom.2.35V(-4mV/ °C)	
	Cycle charge:2.35-2.45V,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)

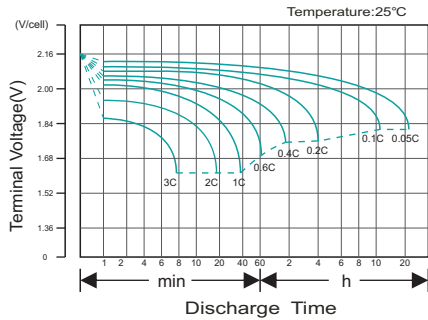
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	1011	692	431	311	248	214	189	153.0	127.3	56.64	31.32
1.65V	977	676	423	306	246	211	186	151.9	126.6	56.64	31.08
1.70V	937	656	413	302	242	208	184	150.1	126.0	56.04	30.84
1.75V	902	636	402	295	237	205	180	147.4	124.2	55.08	30.48
1.80V	825	606	387	289	233	200	175	143.6	120.4	53.76	29.88
1.85V	732	563	366	279	226	194	169	139.6	118.8	52.08	28.44
1.95V	592	450	319	249	210	180	156	126.6	106.8	47.76	26.64

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

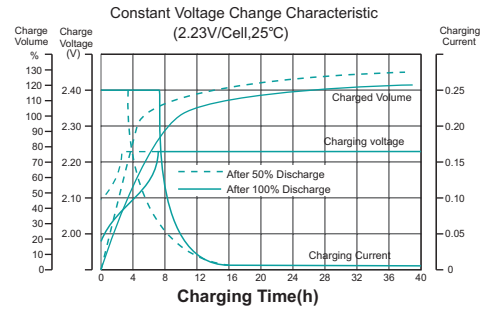
F.V/Time	30 min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h
1.60V	1843	1276	797	576	460	396	350	284.5	236.6	105.72	59.40
1.65V	1799	1248	780	568	455	392	346	282.4	235.7	105.48	59.16
1.70V	1728	1212	763	560	450	386	341	278.6	234.4	104.28	58.68
1.75V	1668	1183	748	548	443	382	336	274.9	232.2	103.44	58.44
1.80V	1540	1141	730	545	440	379	332	272.8	227.0	102.12	57.84
1.85V	1392	1068	698	534	432	372	325	267.8	228.1	100.92	56.16
1.95V	1168	888	631	493	416	358	311	251.3	212.8	96.36	54.60

OPzS2-1200

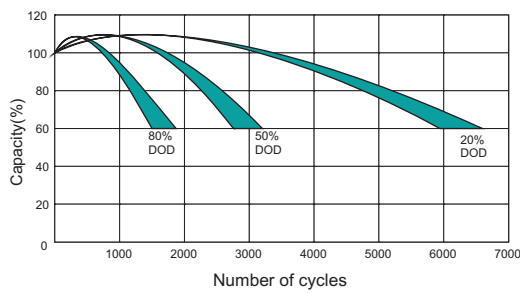
Discharge Characteristics Curve



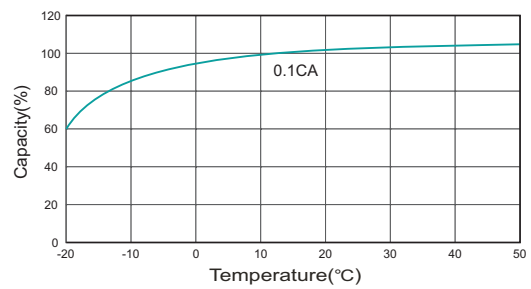
Charging Characteristics Curve



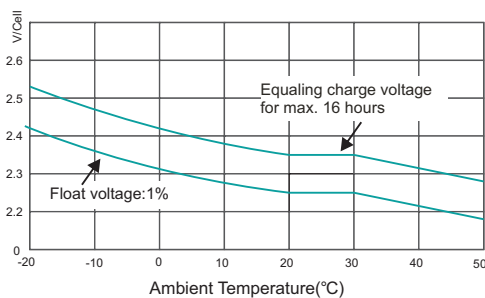
Cycle life in relation to depth of Discharge



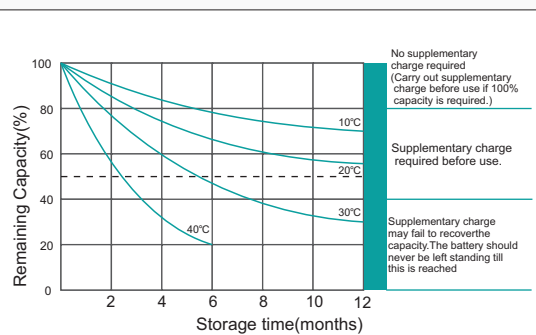
Temperature effects on Capacity



Relationship between charging voltage and temperature



Self-discharge Characteristics



www.kiju.com.cn info@kiju.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.

