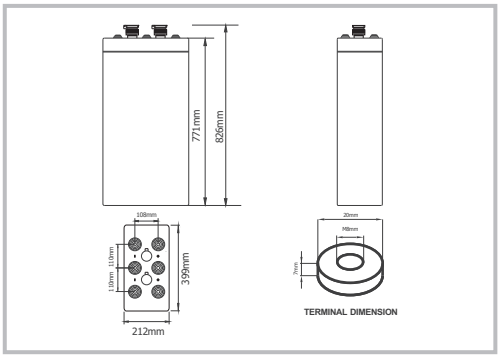
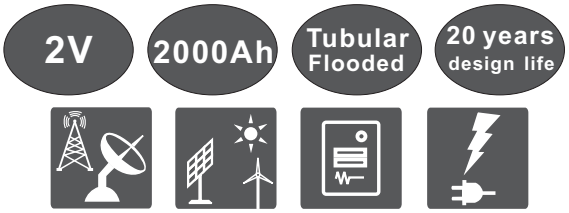
OPzS2-2000 (2V2000Ah)

2V TUBULAR FLOODED SERIES BATTERY

The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life according to the standard IEC60896-11.With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suited for all standby power applications that require the highest levels of reliability and security.

DIMENSIONS





SPECIFICATIONS

Nominal Voltage (V)	2
Designed Floating Life (20°C)	20+ Years
Nominal Capacity (20°C)	2000 Ah @ C_{10} (to 1.80Vpc)
Demensions	L399mm×W210mm×H826mm
Approx. Weight	Without electrolyte: 108Kg (238 lbs) With electrolyte: 150Kg (331 lbs)
Electrolyte	Diluted sulphuric acid of 1.240 g/cm^3 (20°C) Acid weight: 42Kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.3mOhm (fully charged @ 20°C)
Max. Charge Current	400 A
Max. Discharge Current (5S)	10000A
Short Circuit Current	12000A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -20~50°C Charge: -15~50°C Storage: 0~25°C
Float Charge Voltage (20~25°C)	2.21-2.25V (-3mV / °C/ cell)
Equalize Charge Voltage (20~25°C)	2.35-2.40V (-5mV / °C/ cell)
Container Material	SAN

ISO9001 ISO14001

Complied standards

- IEC 60896-21/22
- DIN40742
- IEC61427
- YD/T1360
- Eurobat guide, long life
- BS6290 part 4
  UL1989

BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (20°C)

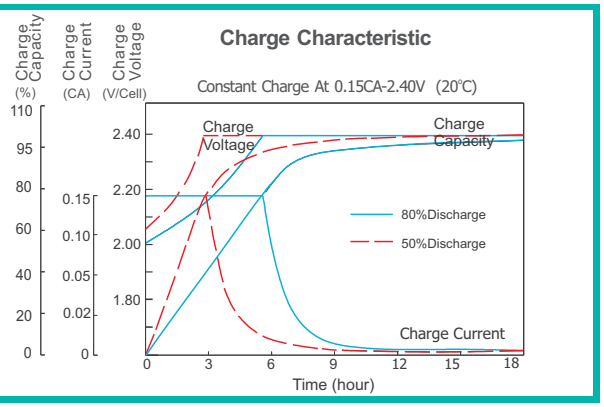
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h	48h	72h	100 h	120h
1.90V	678	617	561	549	598	468	378	318	278	206	182	100	49.4	34.5	25.4	21.6
1.85V	733	702	690	687	680	518	418	352	326	218	190	105	51.5	36.0	27.0	22.8
1.80V	1170	1122	1098	945	874	610	512	400	346	246	200	110	54.3	37.9	28.0	23.6
1.75V	1404	1346	1306	1081	974	660	530	416	356	250	206	116	55.9	39.1	28.6	24.0

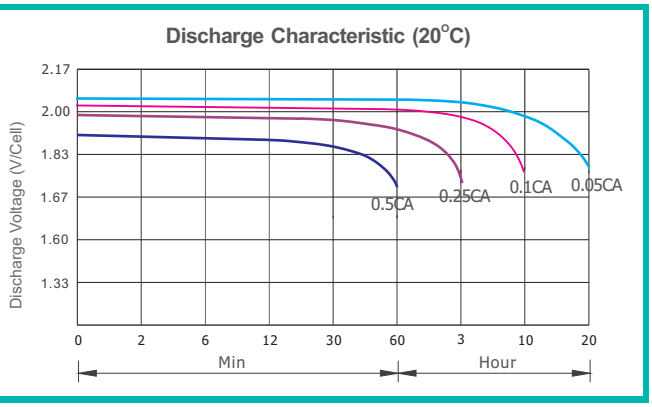
Constant Power Discharge Characteristics: W/cell (20°C)

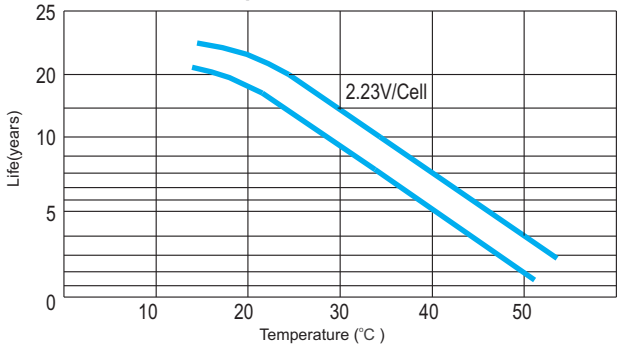
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h	48h	72h	100 h	120h
1.90V	1316	1197	1074	1039	1150	1000	822	694	596	434	376	202	102	71.3	55.0	45.9
1.85V	1421	1363	1324	1290	1308	1130	860	772	662	474	408	220	111	77.4	57.3	47.8
1.80V	2270	2178	1867	1727	1714	1370	1094	894	756	534	440	228	114	80.0	58.8	49.0
1.75V	2723	2613	1914	1739	1728	1424	1158	946	790	542	458	234	118	82.7	59.3	49.5

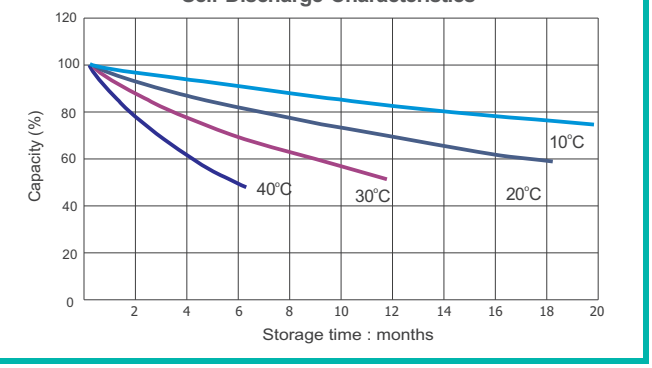
OPzS2-2000 (2V2000Ah)

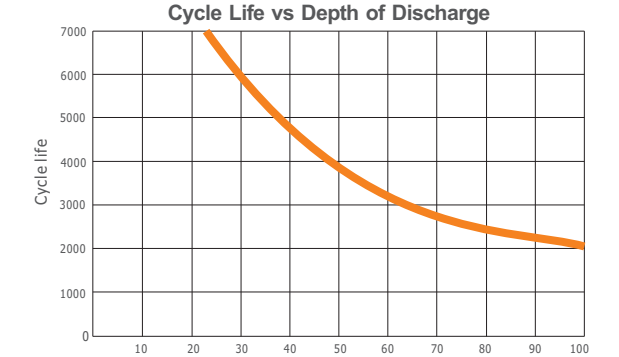
CHARACTERISTICS

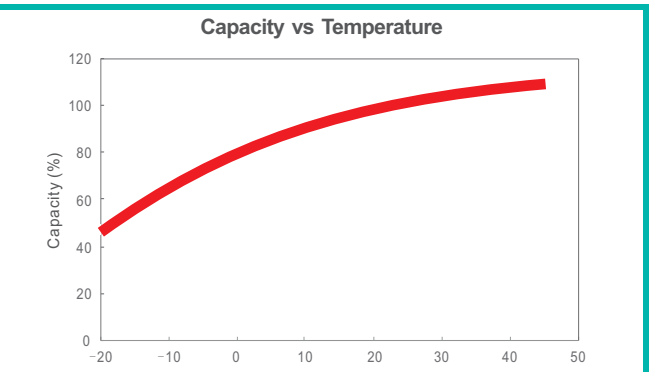


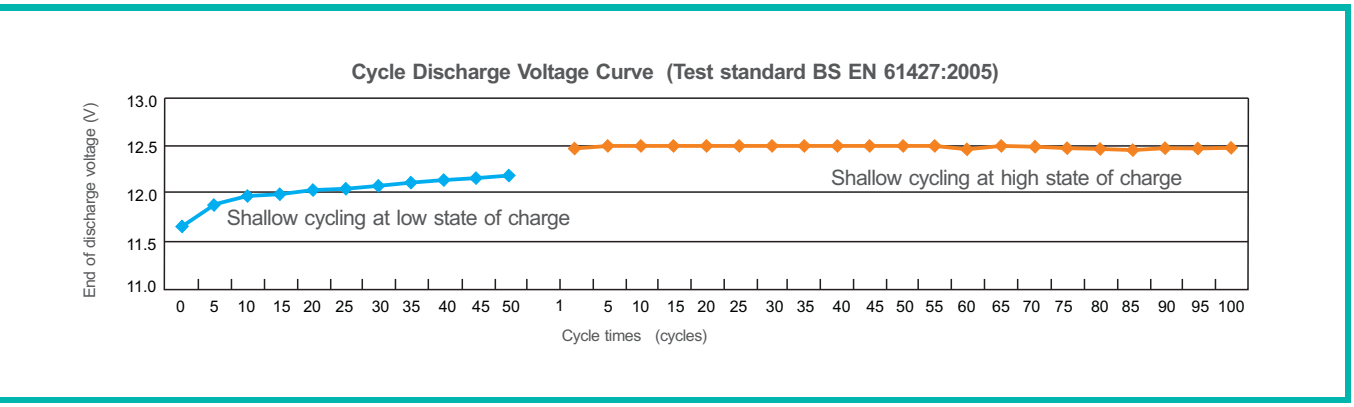












FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	I < 0.05C	0.05C ≤ I < 0.08C	0.08C ≤ I < 0.2C	0.2C ≤ I < 0.6C	0.6C ≤ I < 1.0C	1C≤I ≤ 2C
Final of Voltage	≥1.90 Vpc	≥1.85 Vpc	≥1.80 Vpc	≥1.75 Vpc	≥1.7 Vpc	≥1.6 Vpc

Weida Power Company Limited
www.weidaenergy.com

Address: Huaxiang Road, Xingtai Development Zone, Changtai,Zhang Zhou City, Fujian Province, China.
Email: info@weidaenergy.com