



# BATTERIES

VRLA / GELL  
OPzS(2V 1200Ah)

**High Efficiency The  
Exceptional Leak Proof**

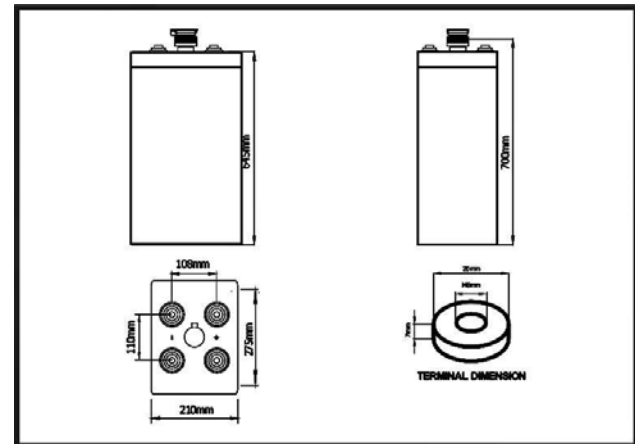
# OPzS GEL- VRLA BATTERIES

## GEL SERIES 2V VRLA BATTERY

### Durable and Powerfull Batteries

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.

DP Electronics has a high and new technology enterprises in the field of valve-controlled sealed lead-acid battery. DP Electronics has passed ISO9001 quality system certification, ISO14001 environmental management system certification, products of the battery has passed the international CE, FCC, UL certification.



### SPECIFICATIONS

Nominal Voltage (V)	2
Designed Floating Life o(20C)	20+ Years
Nominal Capacity (20C)	1200Ah @ C10 (to 1.80Vpc)
Demensions	L275mm×W210mmH700mm
Approx. Weight: With Electrolyte	61.5kg (136 lbs)
Without Electrolyte	83.7 kg (185 lbs)
Electrolyte	Diluted sulphuric acid of 1.240 g/cm <sup>3</sup> (20°C) Acid weight: 22.2Kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.35mOhm (fully charged @ 20°C)
Max. Charge Current	240A
Max. Discharge Current (5S)	2500A
Short Circuit Current	5600A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -20~50°C Charge: -15~50C Storage: 0~25C
Float Charge Voltage (20~25C)	2.21-2.25V (-3mV / C/ cell)
Equalize Charge Voltage (20~25°C)	2.35-2.40V (-5mV / C/ cell)
Container Material	SAN



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## BATTERY DISCHARGE TABLE

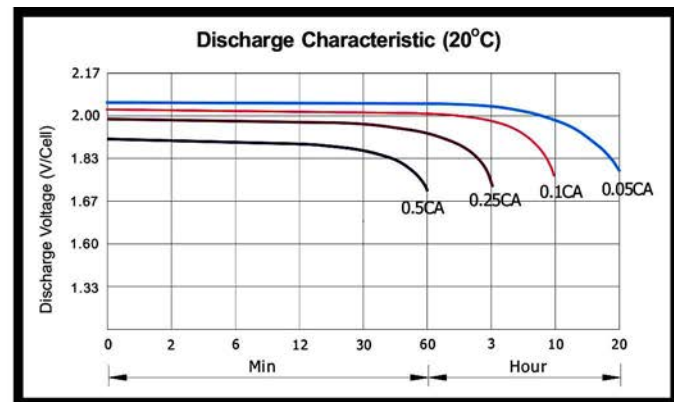
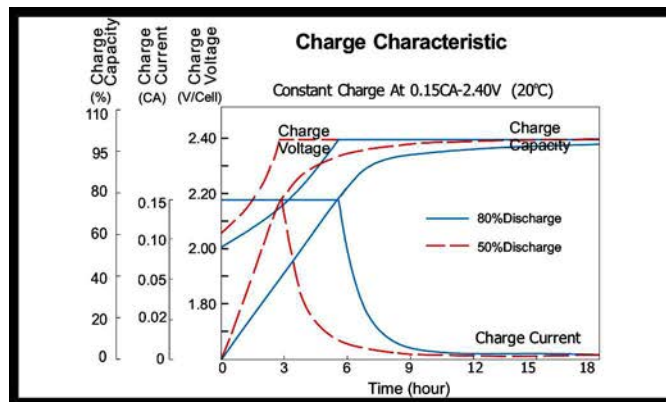
Constant Current Discharge Characteristics: Amps (20°C)																
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h	48h	72h	100 h	120h
1.90V	678	617	561	549	598	468	378	318	278	206	182	100	49.4	34.5	25.4	21.6
1.85V	733	702	690	687	680	518	418	352	326	218	190	105	51.5	36.0	27.0	22.8
1.80V	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

## CHARACTERISTICS

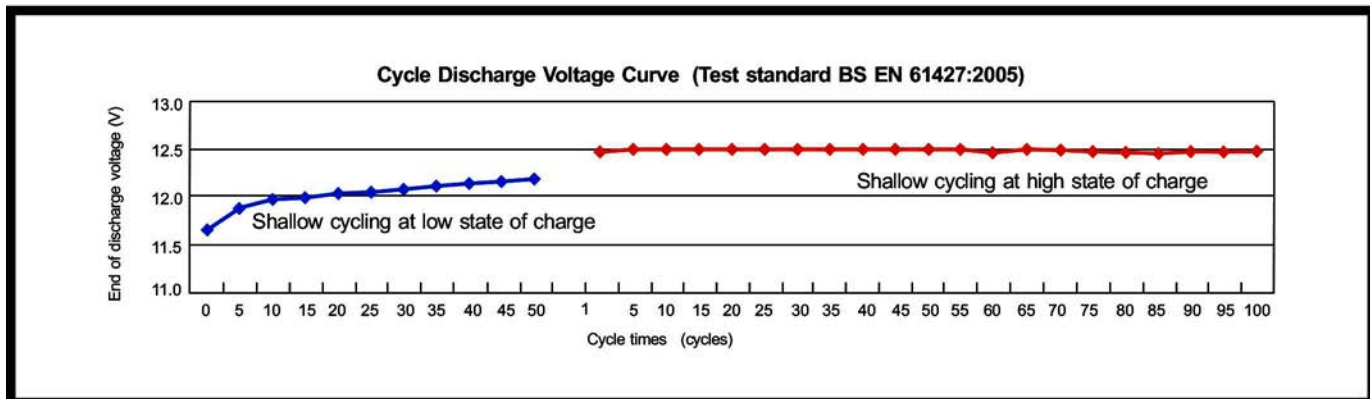
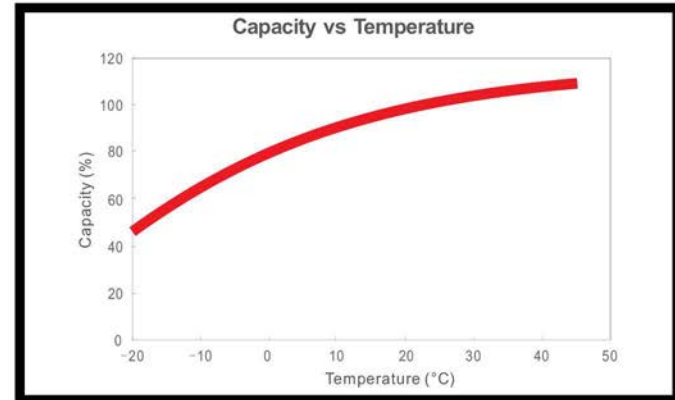
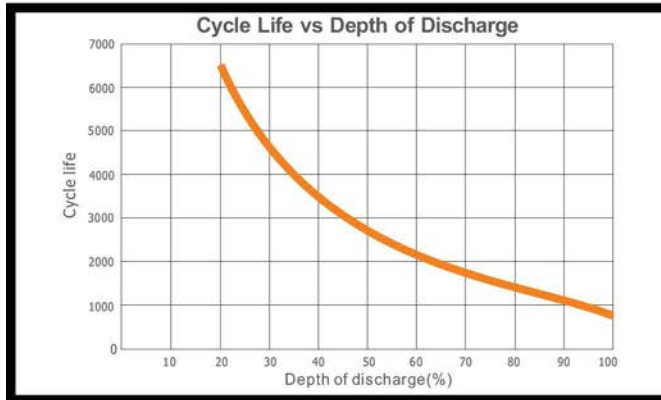
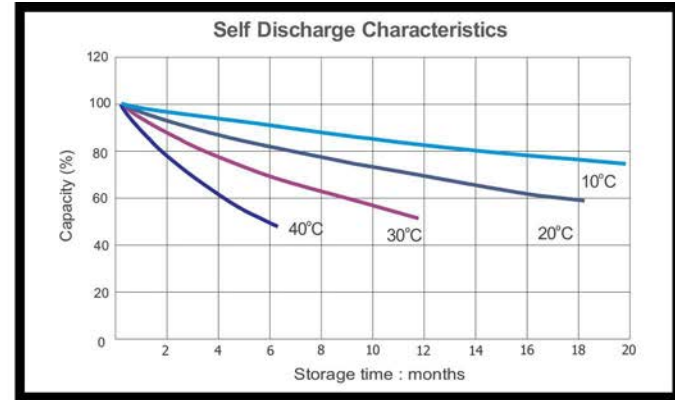
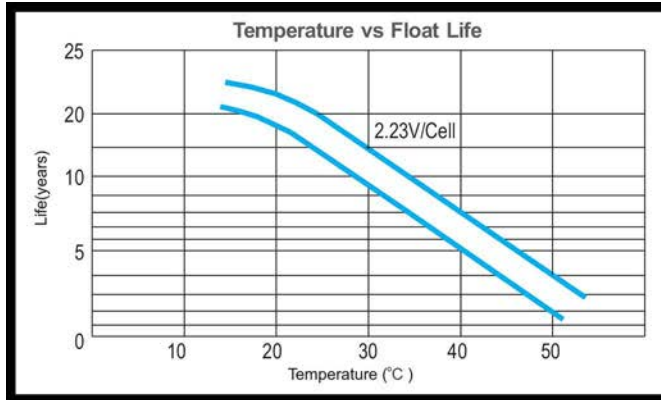
### GEL Characteristic Battery Charts



# OPzS GEL- VRLA BATTERIES

## CHARACTERISTICS

### GEL Characteristic Battery Charts



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