



# BATTERIES

VRLA / GELL  
OPzS(2V 800Ah)

High Efficiency The  
Exceptional Leak Proof

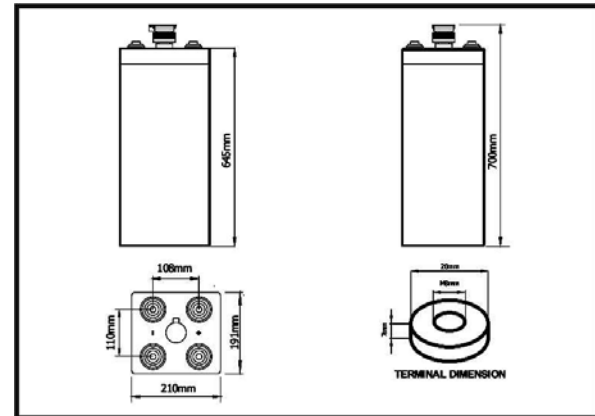
# OPzS GEL- VRLA BATTERIES

## 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 Electronic has a high and new technology enterprises in the field of valve-controlled sealed lead-acid battery. DP Electronic 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)	800Ah @ C10 (to 1.80Vpc)
Demensions	L191mm×W210mmH700mm
Approx. Weight: With Electrolyte	42.0kg (92.6lbs)
Without Electrolyte	58.0kg (128 lbs)
Electrolyte	Diluted sulphuric acid of 1.240 g/cm <sup>3</sup> (20°C) Acid weight: 16Kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.41mOhm (fully charged @ 20°C)
Max. Charge Current	160A
Max. Discharge Current (5S)	2000A
Short Circuit Current	4700A
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

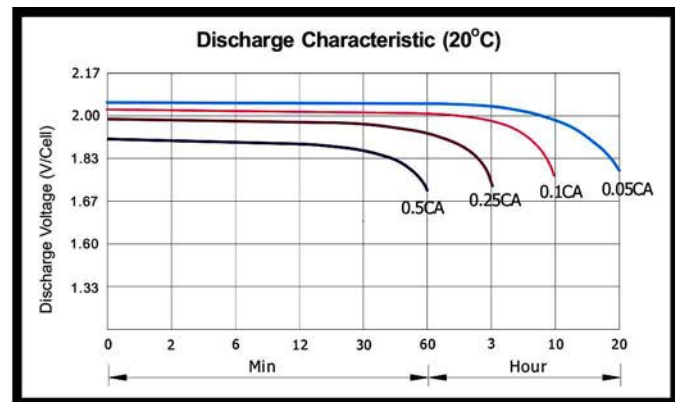
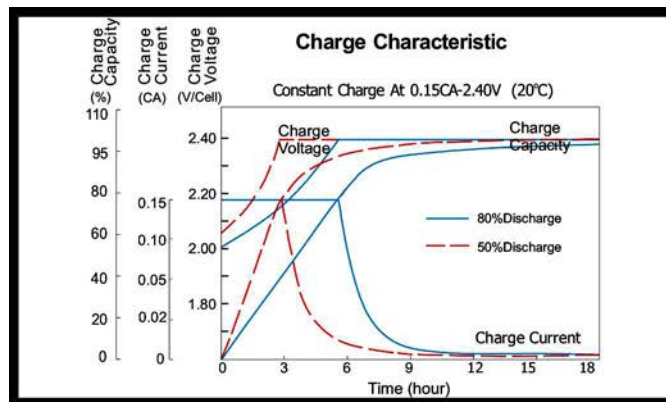
Constant Current Discharge Characteristics: Amps (20°C)																
F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h	48h	72h	100 h	120h
1.90V	319	290	264	258	239	187	151	127	111	82.4	72.8	40.0	19.7	13.8	10.2	8.64
1.85V	345	330	325	323	272	207	167	141	130	87.2	76.0	41.8	20.6	14.4	10.8	9.12
1.80V	550	528	517	445	350	244	205	160	138	98.4	80.0	44.0	21.7	15.2	11.2	9.44
1.75V	661	634	614	509	390	264	212	166	142	100	82.4	46.2	22.4	15.6	11.4	9.59

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	619	563	506	489	460	400	329	278	238	174	150	80.6	40.8	28.5	22.0	18.4
1.85V	669	642	623	607	523	452	344	309	265	190	163	87.8	44.3	30.9	22.9	19.1
1.80V	1068	1025	878	813	686	548	438	358	302	214	176	91.3	45.5	32.0	23.5	19.6
1.75V	1282	1230	901	818	691	570	463	378	316	217	183	93.5	47.3	33.1	23.7	19.8

## CHARACTERISTICS

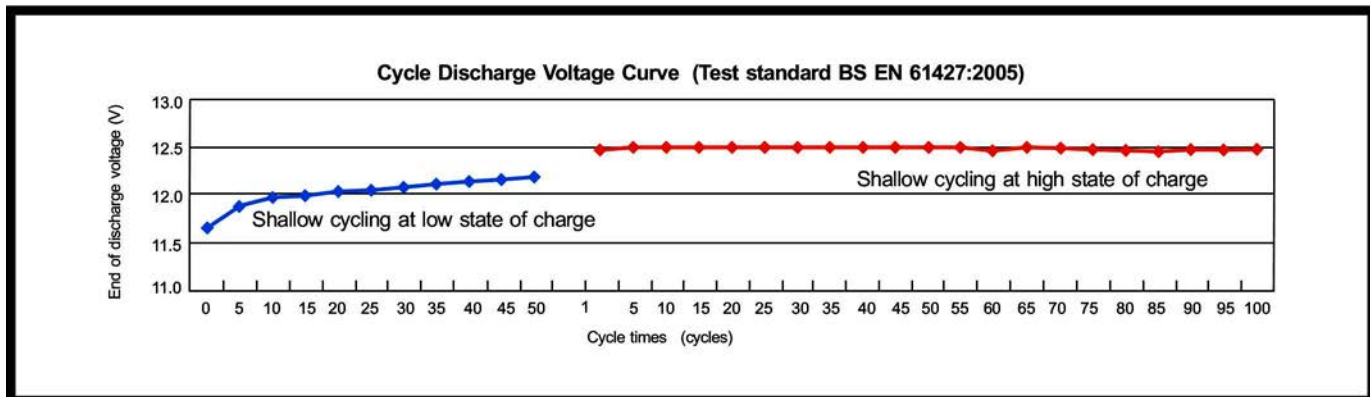
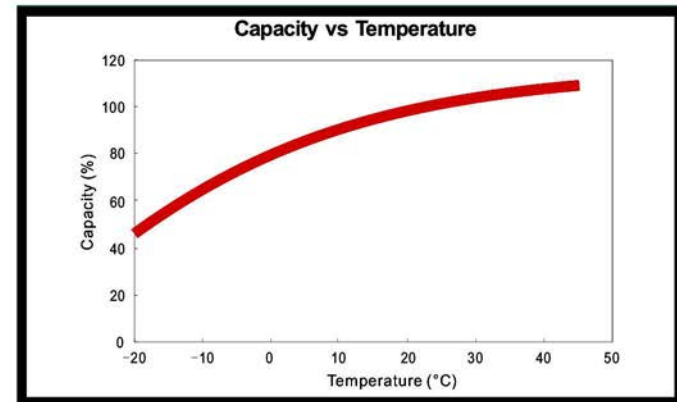
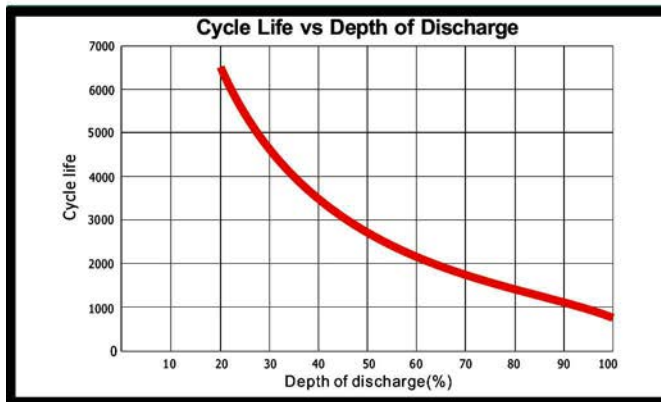
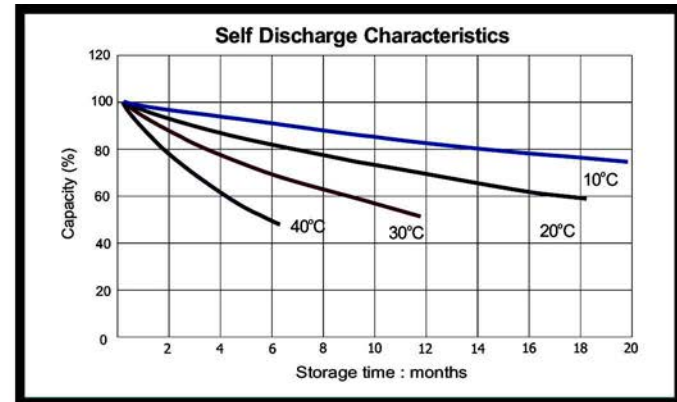
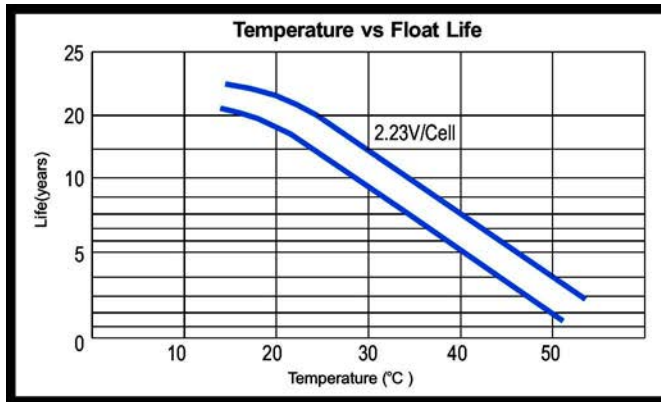
### GEL Characteristic Battery Charts



# OPzS GEL- VRLA BATTERIES

## CHARACTERISTICS

### GEL Characteristic Battery Charts



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