



# BATTERIES

VRLA / GELL  
OPzS(2V 2500Ah)

 High Efficiency The  
Exceptional Leak Proof

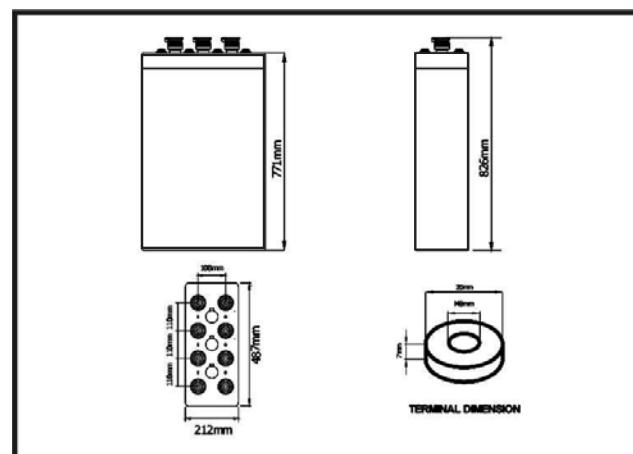
# OPzS GEL- VRLA BATTERIES

## 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)	2500Ah @ C10 (to 1.80Vpc)
Demensions	L487mm×W212mmH826mm
Approx. Weight: With Electrolyte	131kg (289 lbs)
Without Electrolyte	183 kg (404lbs)
Electrolyte	Diluted sulphuric acid of 1.240 g/cm <sup>3</sup> (20°C) Acid weight: 52Kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.25mOhm (fully charged @ 20°C)
Max. Charge Current	500A
Max. Discharge Current (5S)	4000A
Short Circuit Current	8000A
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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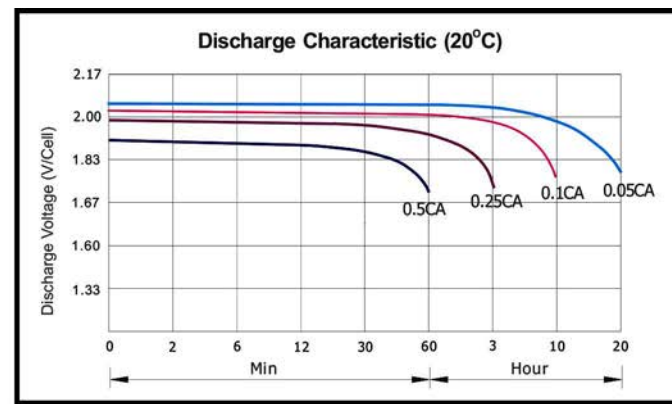
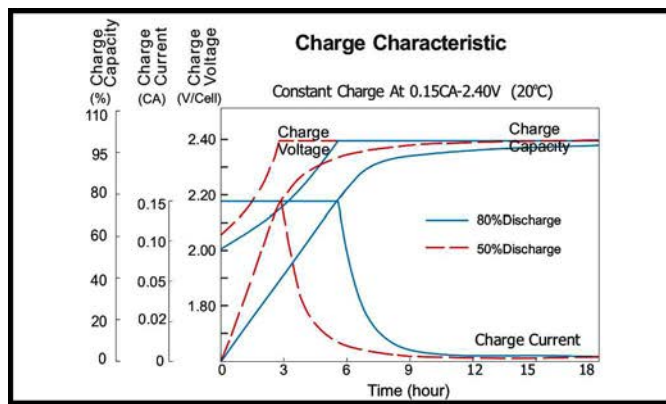
## BATTERY DISCHARGE TABLE

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	848	771	701	686	748	585	473	398	348	258	228	125	61.7	43.1	31.8	27.0
1.85V	916	878	863	859	850	648	523	440	408	273	238	131	64.4	45.0	33.8	28.5
1.80V	1462	1403	1373	1182	1093	763	640	500	433	308	250	138	67.8	47.4	35.0	29.5
1.75V	1755	1683	1632	1352	1218	825	663	520	445	313	258	144	69.8	48.8	35.8	30.0

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	1645	1496	1343	1298	1438	1250	1028	868	745	543	470	252	127	89.1	68.8	57.4
1.85V	1777	1704	1655	1613	1635	1413	1075	965	828	593	510	275	138	96.7	71.7	59.8
1.80V	2837	2722	2333	2159	2143	1713	1368	1118	945	668	550	285	142	100	73.5	61.3
1.75V	3404	3266	2393	2174	2160	1780	1448	1183	988	678	573	292	148	103	74.1	61.9

## CHARACTERISTICS

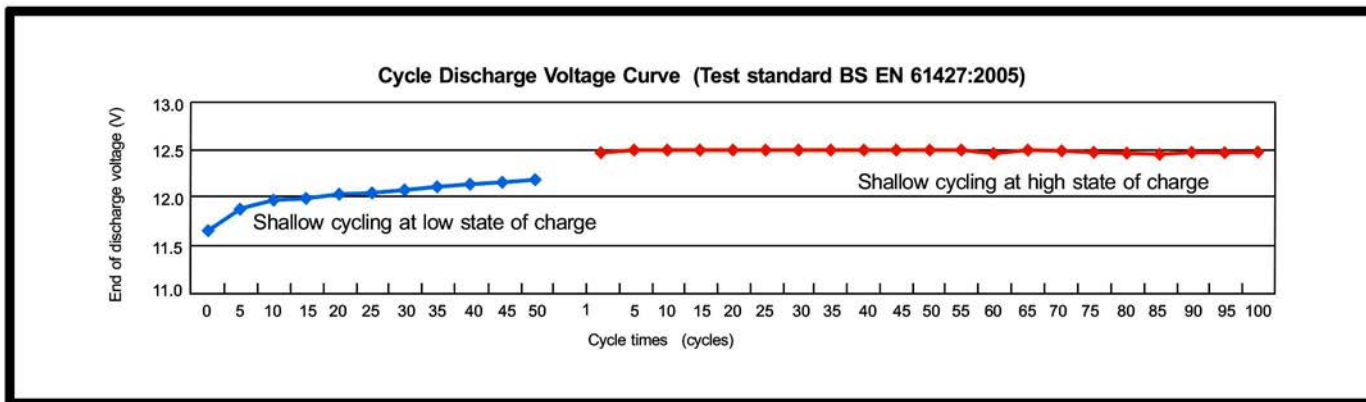
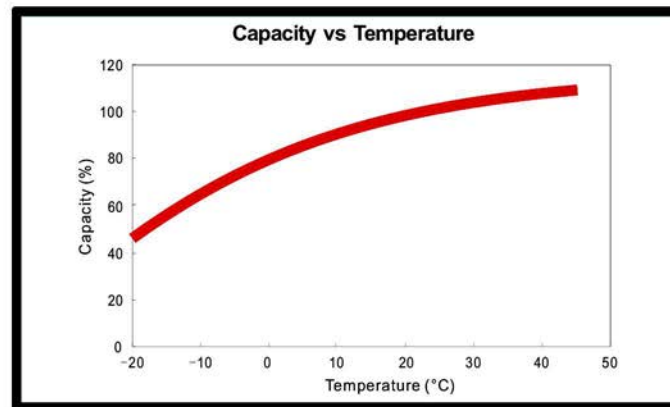
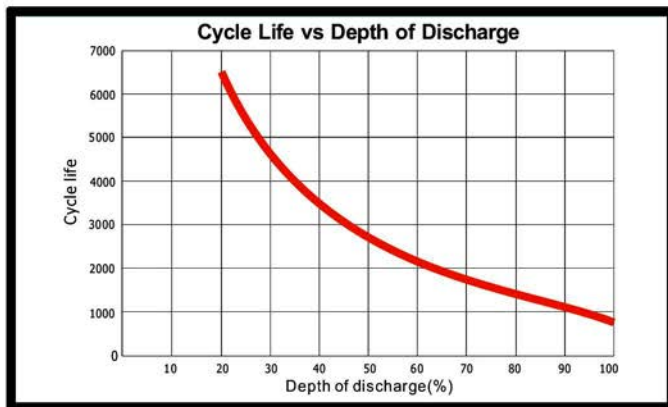
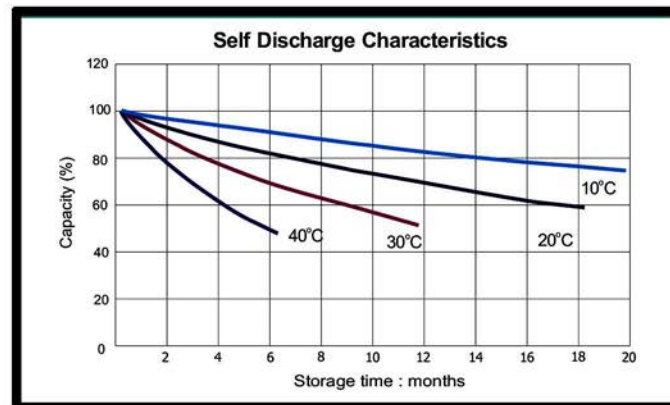
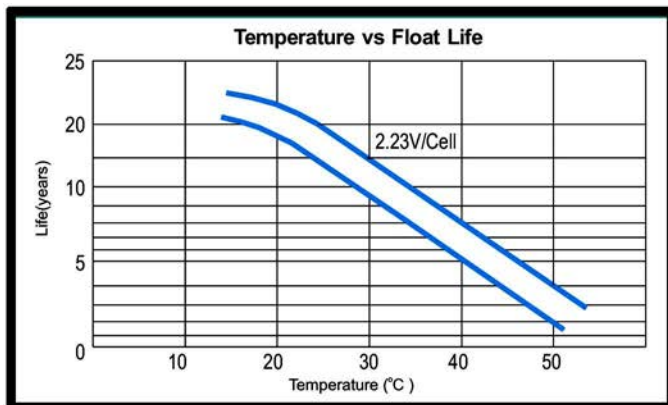
### GEL 12V Characteristic Battery Charts



# OPzS GEL- VRLA BATTERIES

## CHARACTERISTICS

### GEL 12V Characteristic Battery Charts



# DP ELECTRONICS (DEUTSCHE POWER CO., LIMITED)



## Germany Head Office

DP electronics (Deutsche Power Co., Limited) Klon, Germany.  
Phone: +49-221-26016266  
Fax: +49-221-26016267  
Email: [enquiries@deutschepower.de](mailto:enquiries@deutschepower.de)

## Hong Kong Office

RM 1701(057), 17/F, HeNan Building No90, Wan Chai, Hong Kong.  
Phone: +86-137-237-44698  
Fax: +86-755-82610233  
[helenlong@deutschepower.de](mailto:helenlong@deutschepower.de)