



# BATTERIES

VRLA / GELL  
OPzS(2V 3000Ah)

 High Efficiency The  
Exceptional Leak Proof

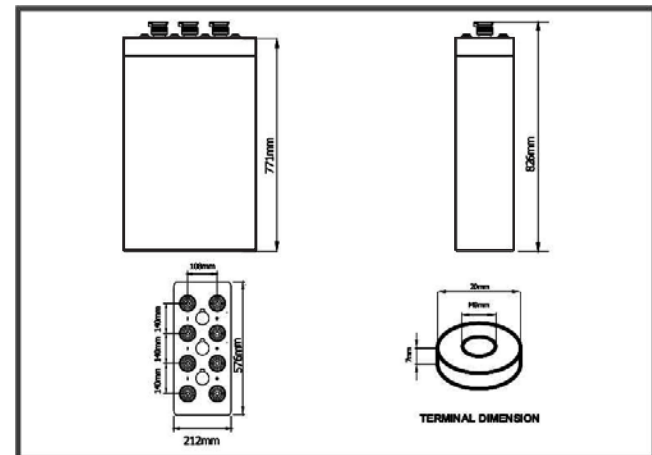
# OPzS GEL- VRLA BATTERIES

## GEL SERIES 2V VRLA BATTERY

### Durable and Powerfull Batteries

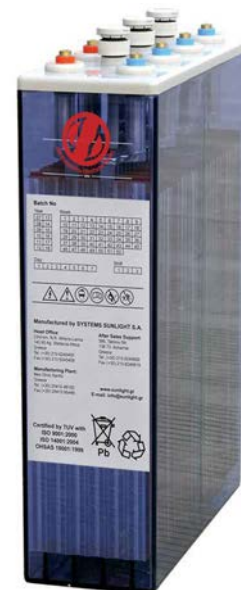
The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life according to the standard IEC60896-11. With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications. This series is highly suited for all 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	L576mm×W212mmH826mm
Approx. Weight: With Electrolyte	155kg (342 lbs)
Without Electrolyte	218 kg (481lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.2mOhm (fully charged @ 20°C)
Max. Charge Current	500A
Max. Discharge Current (5S)	4000A
Short Circuit Current	10000A
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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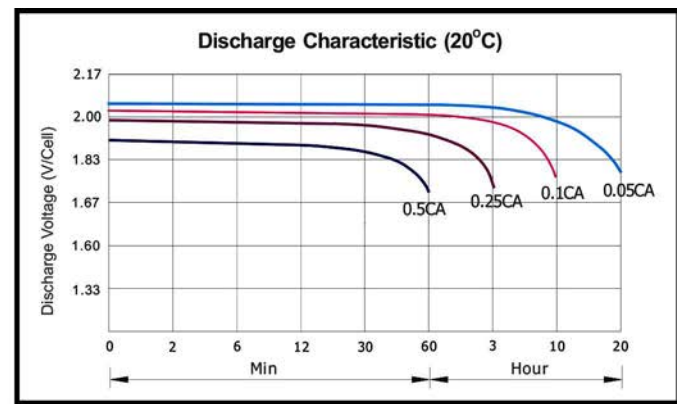
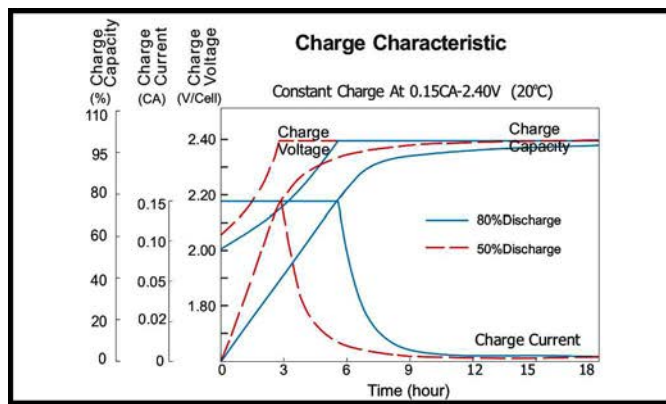
## BATTERY DISCHARGE TABLE

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	958	871	792	775	897	702	567	477	417	309	273	150	74.1	51.8	38.1	32.4
1.85V	1034	991	974	970	1020	777	627	528	489	327	285	157	77.3	54.0	40.5	34.2
1.80V	1651	1584	1550	1334	1311	915	768	600	519	369	300	165	81.4	56.9	42.0	35.4
1.75V	1982	1901	1843	1526	1461	990	795	624	534	375	309	173	83.8	58.6	42.9	36.0

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	1974	1795	1612	1558	1725	1500	1233	1041	894	651	564	302	153	107	82.6	68.9
1.85V	2132	2045	1986	1935	1962	1695	1290	1158	993	711	612	329	166	116	86.0	71.8
1.80V	3404	3267	2800	2591	2571	2055	1641	1341	1134	801	660	342	171	120	88.1	73.5
1.75V	4085	3919	2871	2609	2592	2136	1737	1419	1185	813	687	351	177	124	88.9	74.2

## CHARACTERISTICS

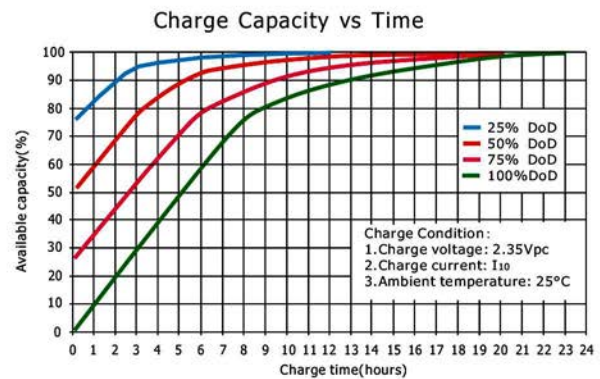
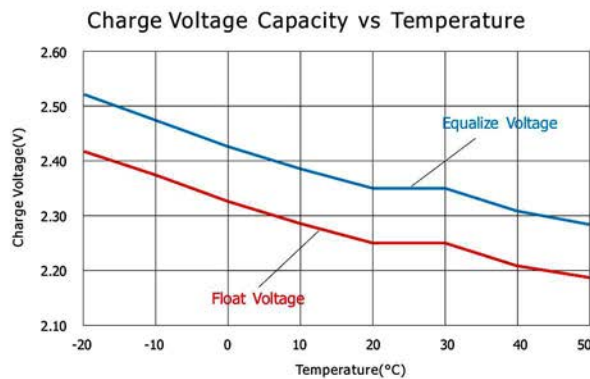
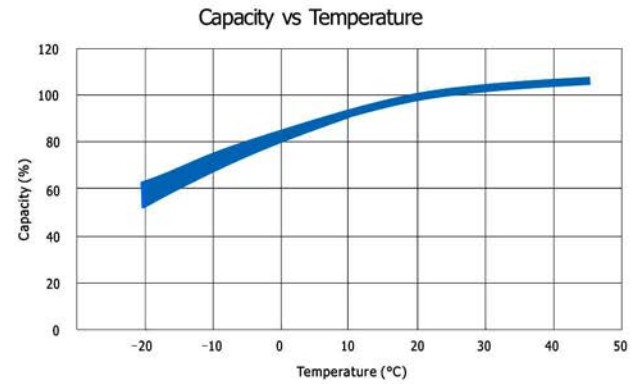
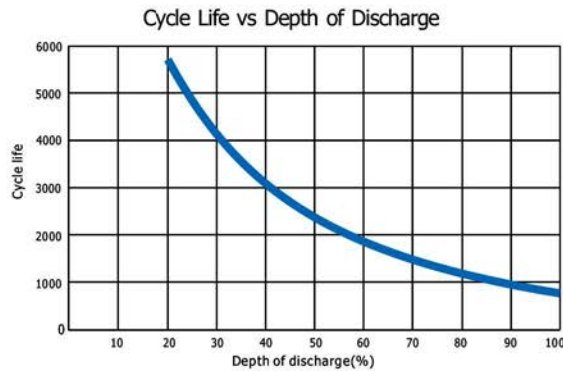
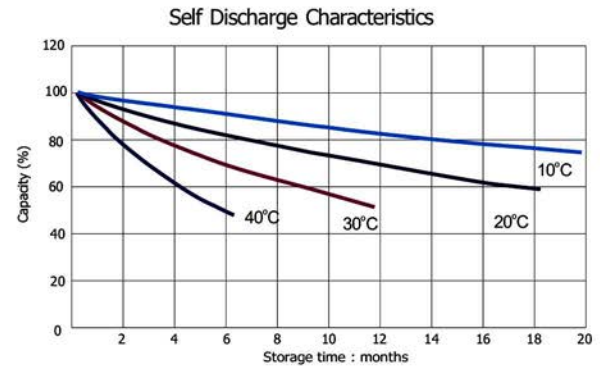
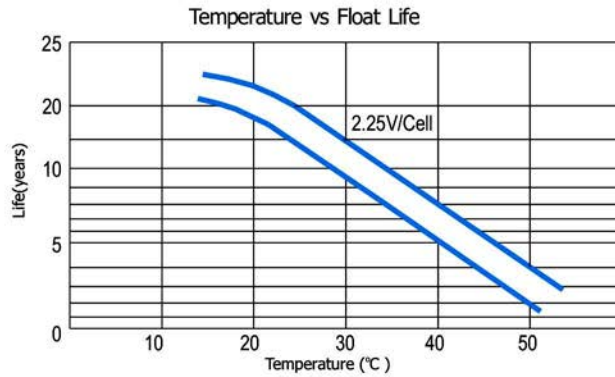
### GEL 12V Characteristic Battery Charts



# OPzS GEL- VRLA BATTERIES

## CHARACTERISTICS

### GEL 12V Characteristic Battery Charts



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