



BATTERIES

VRLA / GELL
OPzS(2V 1000Ah)

**High Efficiency The
Exceptional Leak Proof**

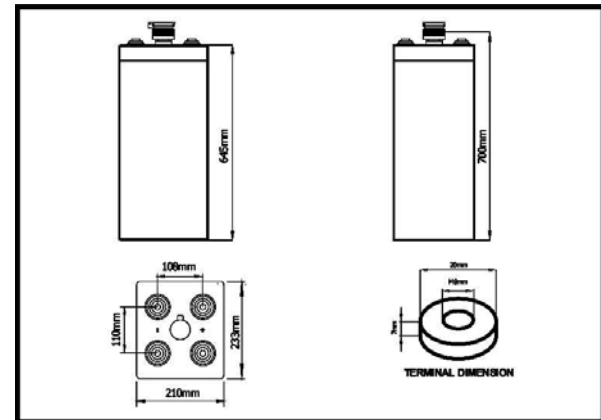
OPzS GEL- VRLA BATTERIES

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)	1000Ah @ C10 (to 1.80Vpc)
Demensions	L233mm×W210mmH700mm
Approx. Weight: With Electrolyte	51.5kg (114 lbs)
Without Electrolyte	70.1 kg (155 lbs)
Electrolyte	Diluted sulphuric acid of 1.240 g/cm ³ (20°C) Acid weight: 18.6Kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.35mOhm (fully charged @ 20°C)
Max. Charge Current	200A
Max. Discharge Current (5S)	2500A
Short Circuit Current	5400A
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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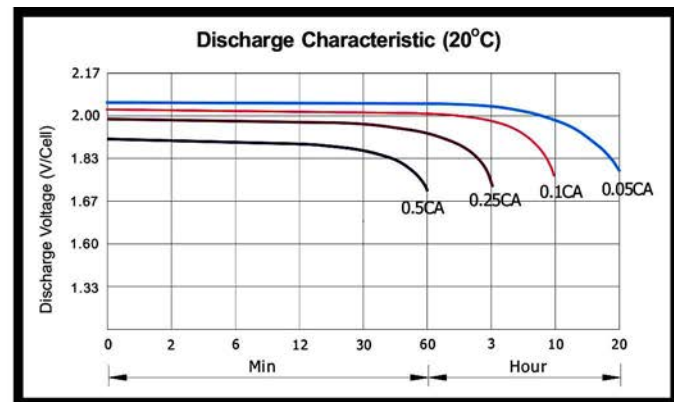
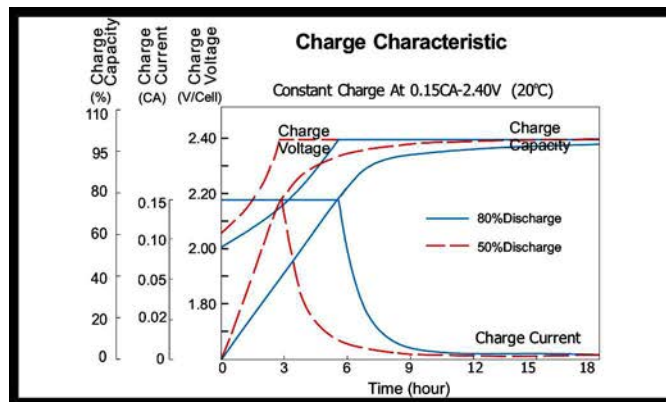
BATTERY DISCHARGE TABLE

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	399	363	330	323	299	234	189	159	139	103	91.0	50.1	24.7	17.3	12.7	10.8
1.85V	431	413	406	404	340	259	209	176	163	109	95.0	52.3	25.8	18.0	13.5	11.4
1.80V	688	660	646	556	437	305	256	200	173	123	100	55.0	27.1	19.0	14.0	11.8
1.75V	826	792	768	636	487	330	265	208	178	125	103	57.8	27.9	19.5	14.3	12.0

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	774	704	632	611	575	500	411	347	298	217	188	101	51.0	35.6	27.5	23.0
1.85V	836	802	779	759	654	565	430	386	331	237	204	110	55.3	38.7	28.7	23.9
1.80V	1335	1281	1098	1016	857	685	547	447	378	267	220	114	56.8	40.0	29.4	24.5
1.75V	1602	1537	1126	1023	864	712	579	473	395	271	229	117	59.2	41.3	29.6	24.7

CHARACTERISTICS

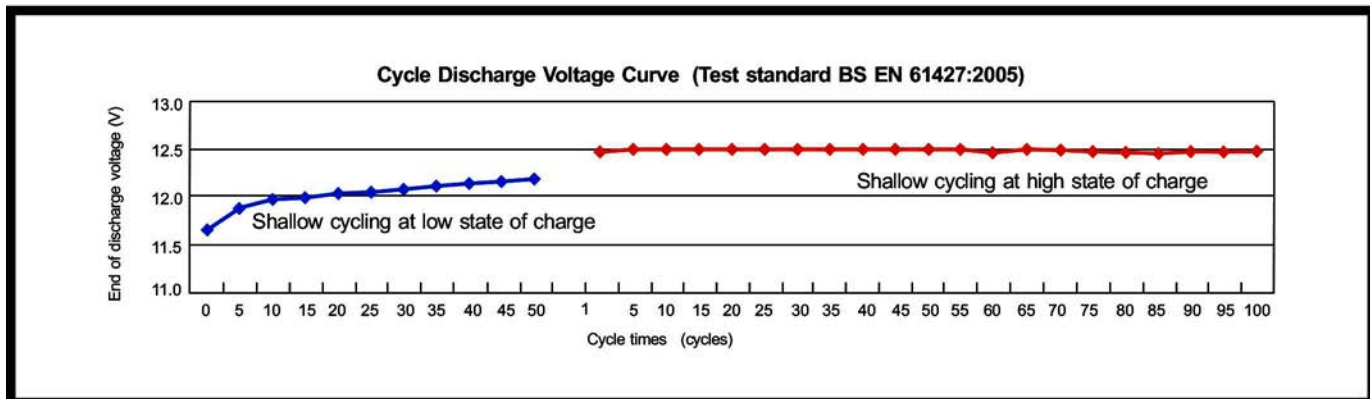
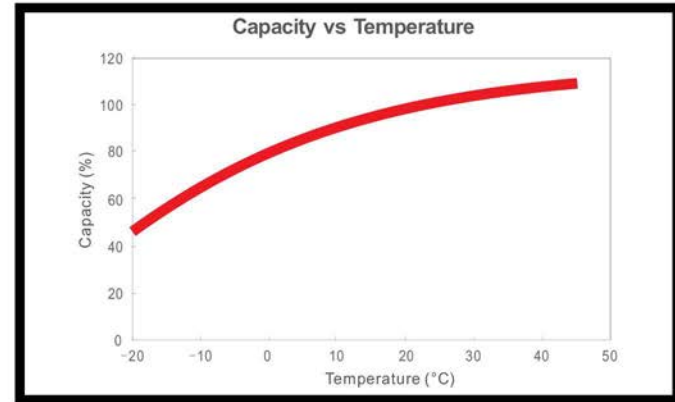
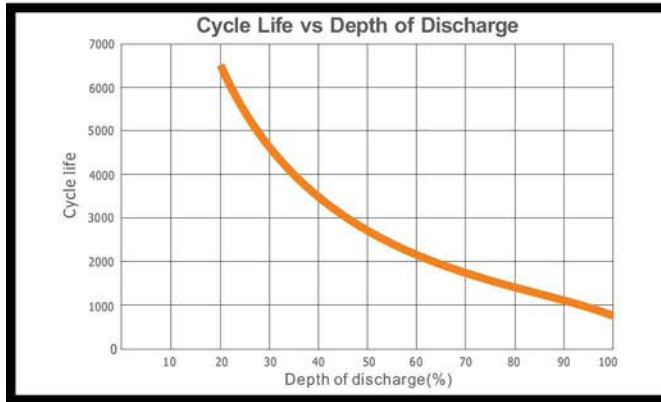
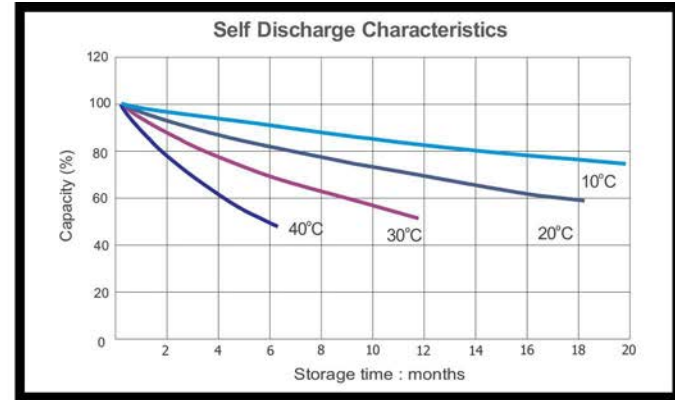
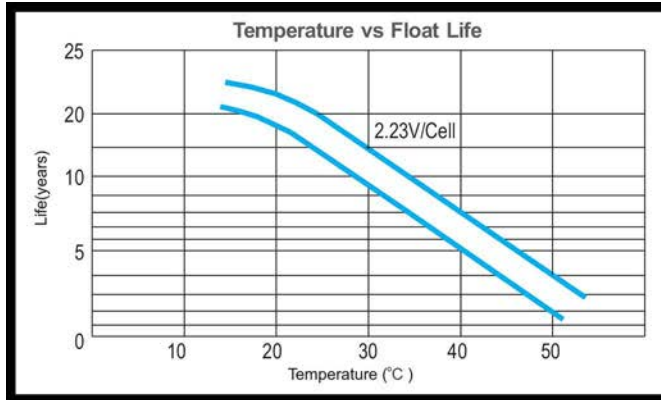
GEL Characteristic Battery Charts



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CHARACTERISTICS

GEL Characteristic Battery Charts



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