

TUBULAR
GEL
VRLA
BATTERIES



EXIDE

INDUSTRIAL
SOLUTION
POWER

Enabling **Reliability**



12V GEL

Range: 12V 40AH to 200AH

UNIQUE **GEL** TECHNOLOGY SPECIALLY DEVELOPED
 FOR STAND BY APPLICATIONS.





BENEFITS



SEALED MAINTENANCE FREE - NO TOPPING UP EVER.



EXCELLENT DEEP DISCHARGE CAPABILITIES.



HIGH RECHARGE EFFICIENCY.



SUPERIOR CYCLE LIFE.



LONG SHELF LIFE.



LESS SENSITIVE TO TEMPERATURE.



GREATER DESIGN LIFE - BEST VALUE FOR MONEY.



SUPPLIED FACTORY CHARGED.



FEATURES



RANGE : 40/75/100/150/200 Ah

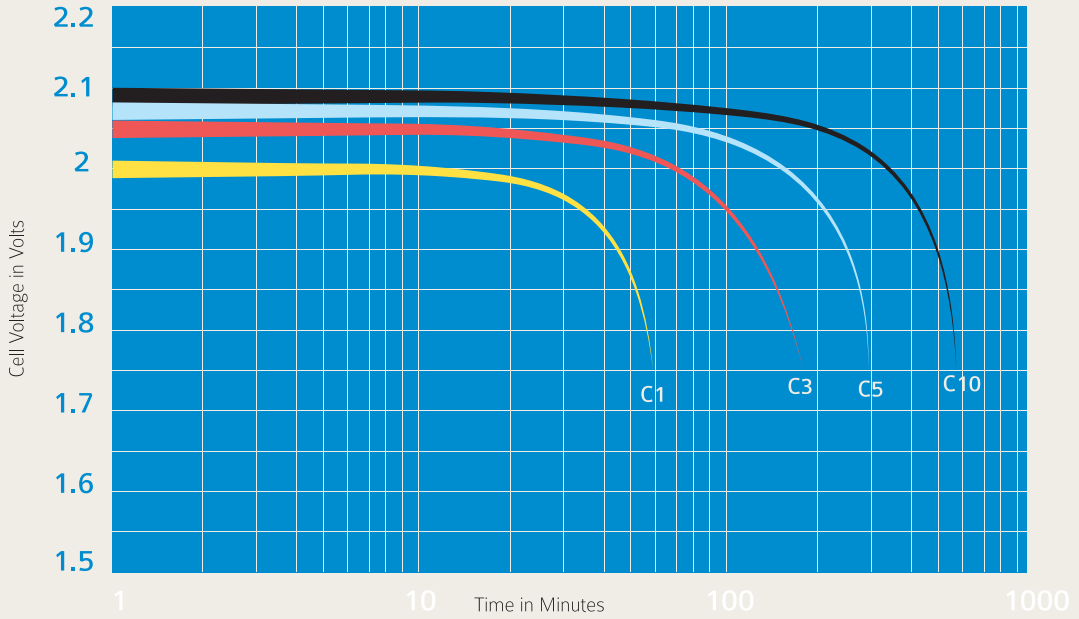


CYCLE LIFE : 80% DOD-1200 CYCLES, 50% DOD-2200 CYCLES.

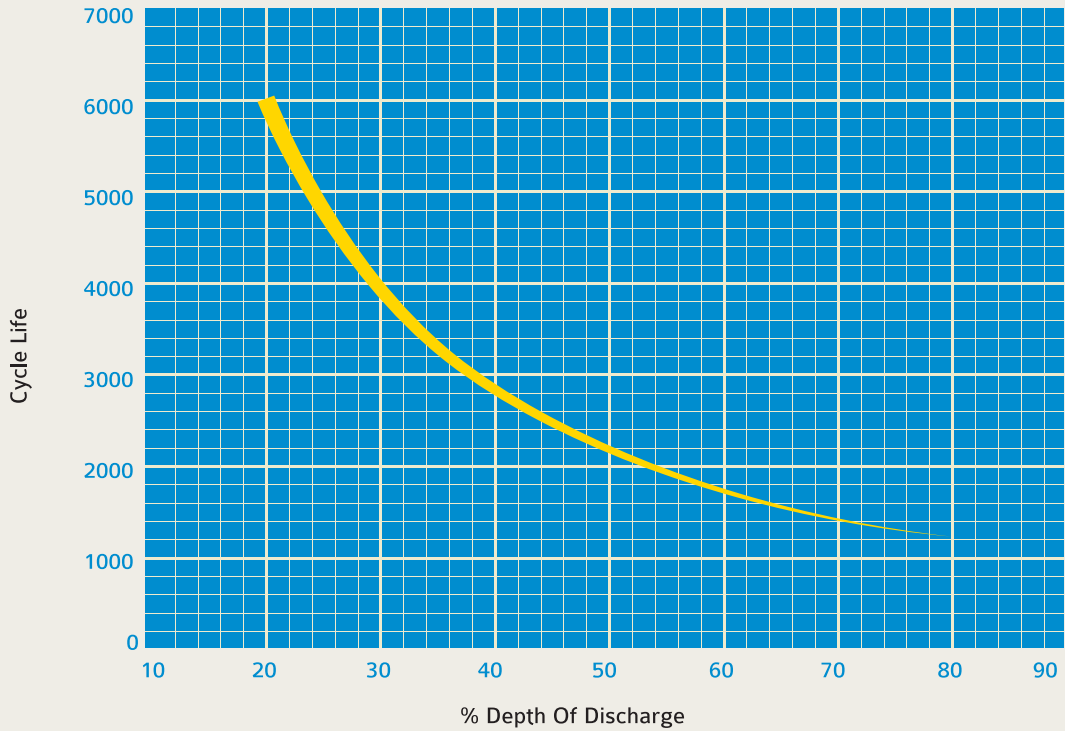


APPLICATION : DEDICATED FOR SOLAR, STAND-BY AND UPS APPLICATION.

PERFORMANCE CURVES AT DIFFERENT RATES OF DISCHARGE



CYCLE LIFE VERSUS DOD FOR 12V GEL





TECHNICAL SPECIFICATIONS

Type of Battery	Nominal Voltage (V)	Capacity @C10 upto 1.75 v.p.c at 27°C (Ah)	Battery Weight with Gel ± 5% (kg)	Overall Dimension		
				Length ± 5 mm	Width ± 5 mm	Height ± 5
6SGL26	12	26	13	197	165	170
6SGL40	12	40	22	354	169	230
6SGL42	12	42	22	354	169	230
6SGL65	12	65	26	354	169	230
6SGL75	12	75	38	531	170	258
6SGL100	12	100	44	531	170	258
6SGL120	12	120	48	531	170	258
6SGL150	12	150	64	533	250	240
6SGL200	12	200	84	428	287	400



APPLICATIONS



TELECOM



EMERGENCY LIGHTING



RURAL ELECTRIFICATION



SOLAR STREET LIGHTING



SOLAR HYBRID POWER SYSTEMS



2V OPzV
Range: 2V 250Ah to 3000Ah
STANDARD: DIN





OPzV FEATURES



TUBULAR POSITIVE PLATES



HIGH PRESSURE
DIE-CAST SPIN GRID



ELECTROLYTE IN GEL FORM



EXCELLENT
THERMAL MANAGEMENT



FILLED AND CHARGED



READY TO INSTALL



VALVE REGULATED



VERSATILE IN MOUNTING



ANTIMONY FREE ALLOY



OPzV BENEFITS



PROVEN CYCLING
& DEEP CYCLING CAPABILITIES



RATE OF GRID CORROSION
IS VERY LOW



NO STRATIFICATION
& NO FAILURE
DUE TO PSOC



ENHANCEMENT IN LIFE



READY TO USE,
EASIER TO INSTALL



100% CAPACITY
ON FIRST DISCHARGE



NO WATER TOP UP
DURING SERVICE LIFE



CAN BE MOUNTED
BOTH IN HORIZONTAL
& VERTICAL ORIENTATION



LONG SHELF LIFE
DUE TO LOW SELF-DISCHARGE



OPzV APPLICATIONS



TELECOMMUNICATIONS



WIRELESS



TRANSMISSION



SWITCHING



SPV



RURAL
ELECTRIFICATION



HYBRID
POWER SYSTEMS



HOME
LIGHTING



STREET
LIGHTING



RAILWAYS



RAILWAY
SIGNALING



TELE
COMMUNICATION



EPABX
SYSTEM



SCADA
SYSTEM



OPzV CATALOGUE

Type	Nominal Voltage (V)	Nominal Capacity C ₁₀ 1.8V/C 20° (Ah)	Discharge Current I ₁₀ (A)	Length (l) Max. mm	Width (b) Max. mm	Height (h1) Max. mm	Height (h2) Max. mm	Weight Approx. Kg
5 OPzV 250	2	250	25	126	208	360	398	23
6 OPzV 300	2	300	30	147	208	360	398	27
5 OPzV 350	2	350	35	126	208	475	513	30
6 OPzV 420	2	420	42	147	208	475	513	35
7 OPzV 490	2	490	49	168	208	475	513	40
6 OPzV 600	2	600	60	147	208	650	688	48
8 OPzV 800	2	800	80	212	193	650	688	67
10 OPzV 1000	2	1000	100	212	235	650	688	80
12 OPzV 1200	2	1200	120	212	277	650	688	94
12 OPzV 1500	2	1500	150	212	277	800	838	118
16 OPzV 2000	2	2000	200	215	400	775	815	160
20 OPzV 2500	2	2500	250	215	490	775	815	200
24 OPzV 3000	2	3000	300	215	580	775	815	240



2V GEL SG

Range: 2V 200Ah to 1000Ah

STANDARD: BS





SG FEATURES



POSITIVE PLATE: **ROBUST TORR TUBULAR SPINE** WITH Pb-Ca-Sn ALLOY



NEGATIVE PLATE: **Pb-Ca ALLOY GRID**.



SEPARATOR: **MICRO-POROUS** AND **RESIN BASED** WITH HIGH POROSITY.



ELECTROLYTE: **SULPHURIC ACID IN IMMOBILIZED GELLED FORM** SPECIALLY MADE BY MIXING THIXOTROPIC INERT ADDITIVES.



CONTAINER AND LID: **MADE OF HIGH GRADE ADDITIVE FILLED POLYPROPYLENE CO-POLYMER MATERIAL**.



VALVE: **FLAME ARRESTING VENT PLUG** HOUSING LONG LIFE **RUBBER SAFETY VALVE**.



BOLT: ON TERMINAL WITH **BRASS INSERT**.



CONNECTOR: **LEAD COATED SOLID COPPER CONNECTOR** WITH INSULATING SHROUD/TOP COVER



SG APPLICATIONS



TELECOM



POWER STATIONS



RURAL ELECTRIFICATION



SOLAR STREET LIGHTING



SOLAR HYBRID POWER SYSTEMS



SG BENEFITS



RUGGED AND RELIABLE FOR CYCLE APPLICATION. IDEAL FOR FREQUENT DISCHARGE-CHARGE CYCLE.



LOW CORROSION, VERY LOW SELF DISCHARGE, NO WATER TOPPING UP.



LOW ELECTRICAL RESISTANCE, HIGH CHARGING EFFICIENCY. RESISTIVE TO ANY MALFUNCTION DUE TO SEPARATOR DAMAGE DURING OPERATION.



NO ACID STRATIFICATION, LONGER CYCLE LIFE AND ALLOWS RECOMBINATION OPERATION.



LOW FOOT-PRINT, CELLS ARE HOUSED IN STACKABLE MS MODULES (8V)



EXPLOSION PROOF, SELF RESEALING, PRESSURE REGULATING AND CAN BE USED SAFELY IN HIGH AMBIENT TEMPERATURE ZONE.



SPECIALLY DESIGNED TO SUSTAIN HIGH CURRENT DISCHARGE AND MECHANICAL RUGGEDNESS.



GOOD INSULATION, SAFE AND RELIABLE.

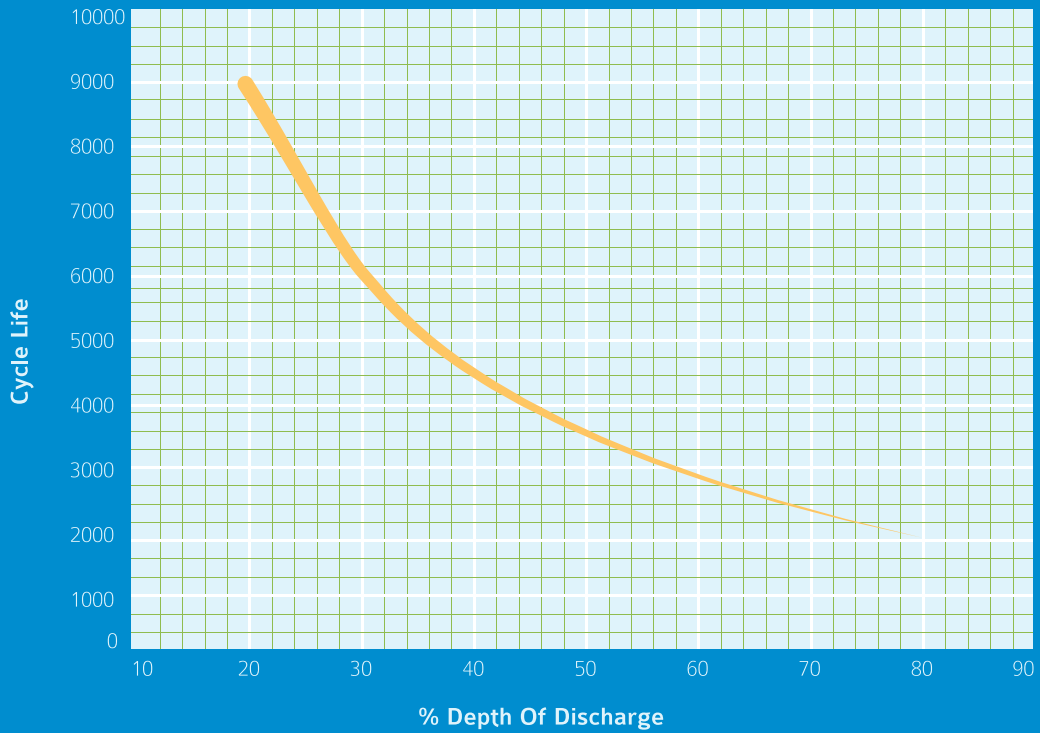


RECHARGING CHARACTERISTICS DURING OPERATION

Recommended Parameters for ambient temperature of -25°C to +55°C

Charging Current	Maximum 20% of the battery Ah capacity Minimum 10% of the battery Ah capacity
Bulk Voltage	2.37 ± 0.02 V/cell
Float Voltage	2.27 ± 0.02 V/cell
Equalizing Voltage	2.30 ± 0.02 V/cell
Load Reconnect Voltage	2.10 ± 0.02 V/cell
Low Voltage Disconnect	1.85 ± 0.02 V/cell

CYCLE LIFE VERSUS DOD FOR 2V GEL



TECHNICAL SPECIFICATIONS

Battery Type	Nominal Voltage (V)	Capacity @ 10hr/1.75V (Ah)	Module Dimensions (8V)			Weight (Kg) ± 5%
			L	W	D	
GTB/SG200	2	200	717	182	343	101
GTB/SG300	2	300	717	214	510	121
GTB/SG400	2	400	717	214	510	133
GTB/SG500	2	500	717	214	510	157
GTB/SG600	2	600	717	262	502	181
GTB/SG800	2	800	717	246	677	200
GTB/SG1000	2	1000	717	278	665	235



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