



Rolls

BATTERY ENGINEERING

RENEWABLE ENERGY





RENEWABLE ENERGY SERIES

Rolls premium deep cycle batteries have been
chosen as the best off-grid battery for over 25 years.

Rolls



4 KS 25P



S-1450



12 CS 11P



S6-460AGM

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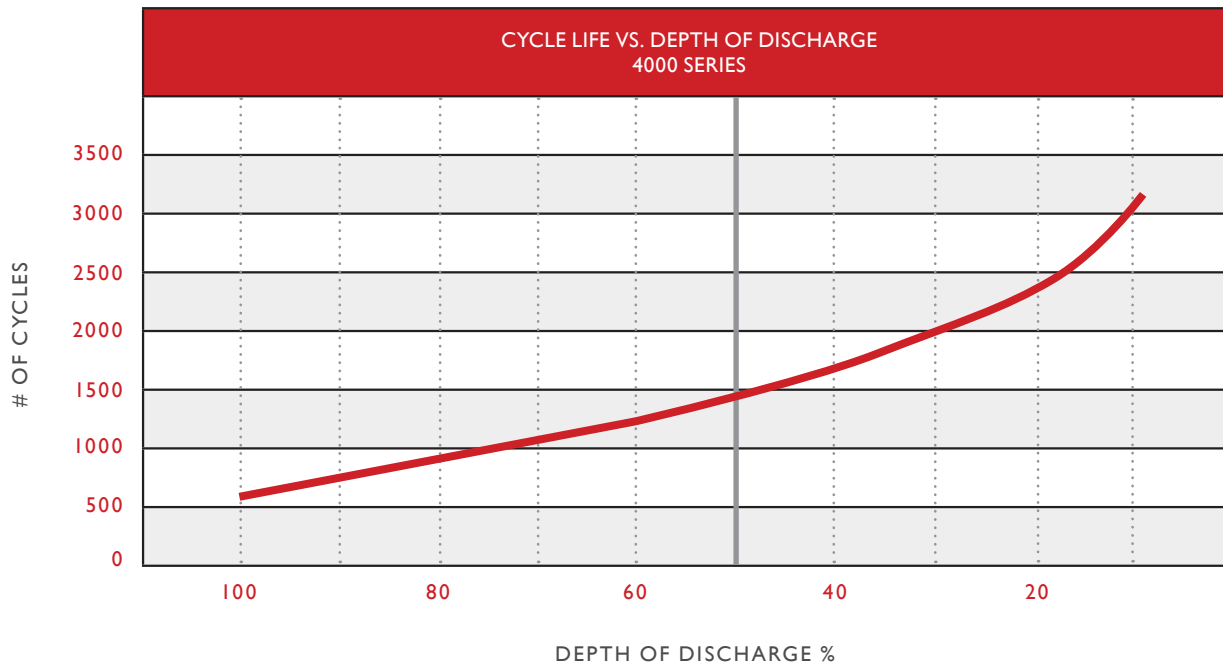
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4000 SERIES

Rolls Battery 4000 Series product range offers a full range of voltage and capacity options. Our most popular models are based on the well recognized L-16, group 24 and 27 sizes with improved capacity, liquid reserve (up to 2.75") and cycle life.

MODEL	10 HR RATE	20 HR RATE	100 HR RATE	BCI	TERMINAL TYPE	LENGTH MM	WIDTH MM	HEIGHT MM	WEIGHT KG
ROLLS BATTERY 4000 SERIES: 2 VOLT									
S-I450	955	1124	1452	L-16	LT	318mm	181mm	432mm	54.5kg
S-I660	1091	1284	1660	L-16	LT	318mm	181mm	432mm	57.5kg
S-I860	1228	1445	1869	L-16	LT	318mm	181mm	432mm	59kg
ROLLS BATTERY 4000 SERIES: 6 VOLT									
S-290	202	230	294	GC2	DT	259mm	181mm	279mm	31.5kg
S-320	220	250	320	GC2H	DT	259mm	181mm	290mm	32kg
S-480	319	375	486	L-16	LT	318mm	181mm	425mm	51kg
S-550	364	428	556	L-16	LT	318mm	181mm	425mm	55.5kg
S-605	398	468	622	L-16	LT	318mm	181mm	425mm	56.5kg
ROLLS BATTERY 4000 SERIES: 12 VOLT									
S-I05	72	85	106	24	DT	279mm	171mm	238mm	21.5kg
S-I40	89	105	140	27	DT	321mm	171mm	238mm	24.5kg
S-I70	111	130	173	31	DT	330mm	171mm	241mm	29.5kg
S-200	136	155	206	GC12	UTL	333mm	182mm	274mm	37.5kg
S-280	185	210	279	921	DT	391mm	178mm	365mm	61kg

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.



S-480 S-550 S-290 S-1860

4000 FEATURES

- Heavy plate construction
- Industry leading liquid reserves
- 7 year warranty
- 12 year average life*
- Unsurpassed cycling

*Cycle life may vary by application and is affected by frequency of cycling, operating temperature, depth of discharge (%DOD), adherence to manufacturer-recommended charging parameters and proper maintenance.

4500 SERIES

Offered in 2 volt and 6 volt configurations, Rolls 4500 Series models provides the convenience of the popular L16 case design with added durability and cycle life found in our heavy grade 5000 Series plate construction. The result, a versatile L16 model with an impressive 2720 cycles @ 50% DOD, backed by an additional 1 year full replacement period.

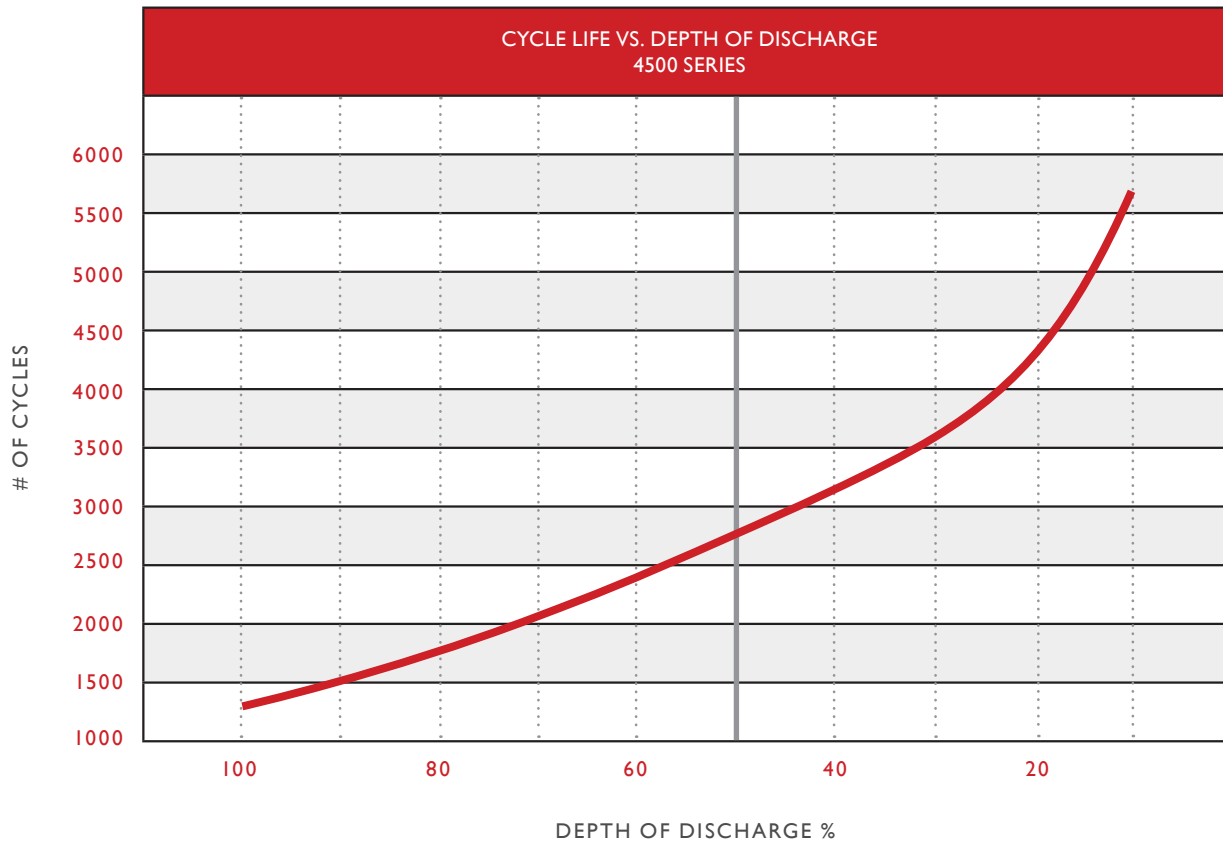
*(3 yrs full replacement,
4 years pro-rated warranty)*

MODEL	10 HR RATE	20 HR RATE	100 HR RATE	BCI	TERMINAL TYPE	LENGTH MM	WIDTH MM	HEIGHT MM	WEIGHT KG
ROLLS BATTERY 4500 SERIES: 2 VOLT									
S-1400EX	830	1000	1410	L-16	LT	318mm	181mm	432mm	58kg
ROLLS BATTERY 4500 SERIES: 6 VOLT									
S-500EX	296	357	503	L-16	LT	318mm	181mm	425mm	59kg

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.

ROLLS ACCESSORIES		
		
Rolls R-Cap	Hydrometer	Interconnect Cables

Contact your Rolls Battery Distributor or Dealer for more information.



S-500EX

S-1400EX

4500 FEATURES

- Heavy plate construction
- Industry's leading liquid reserve
- Included Rolls R-Cap
- 7 year warranty
- 15 year average life*
- Extended cycling

*Cycle life may vary by application and is affected by frequency of cycling, operating temperature, depth of discharge (%DOD), adherence to manufacturer-recommended charging parameters and proper maintenance.

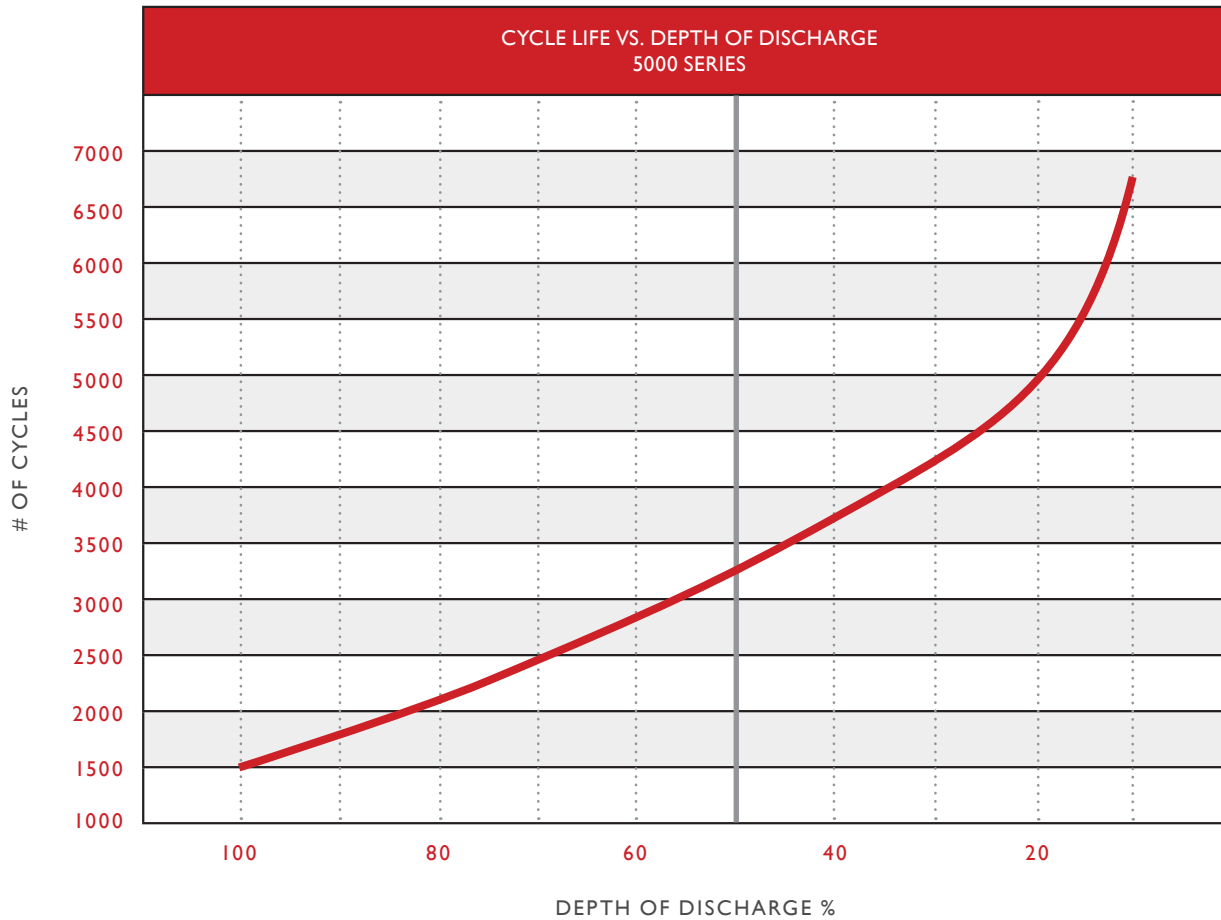


5000 SERIES

Our unique battery design features dual container construction. Each cell is self contained in a high temperature-retardant, durable polypropylene case. The outer container is made of high-density unbreakable polyethylene, providing double protection from breakage and acid leakage. Cell replacement is clear and concise with bolt-on connectors, allowing the battery to be assembled or repaired on location.

MODEL	10 HR RATE	20 HR RATE	100 HR RATE	BCI	TERMINAL TYPE	LENGTH MM	WIDTH MM	HEIGHT MM	WEIGHT KG
ROLLS BATTERY 5000 SERIES: 2 VOLT									
2 KS 33P	1466	1766	2490	SPEC.	FLAG	392mm	211mm	630mm	94kg
2 OS 33P	1563	1883	2655	SPEC.	FLAG	392mm	211mm	630mm	100.5kg
2 YS 27P	1748	1883	2969	SPEC.	FLAG	356mm	229mm	803mm	111.5kg
2 YS 31P	2017	2430	3426	SPEC.	FLAG	394mm	229mm	803mm	129kg
2 YS 62P	4034	4860	6853	SPEC.	FLAG	695mm	229mm	803mm	258.5kg
ROLLS BATTERY 5000 SERIES: 4 VOLT									
4 CS 17P	453	546	770	SPEC.	FLAG	365mm	210mm	464mm	58kg
4 KS 21P	916	1104	1557	SPEC.	FLAG	400mm	238mm	629mm	121kg
4 KS 25P	1120	1350	1904	SPEC.	FLAG	400mm	270mm	629mm	142.5kg
4 KS 27P	1212	1460	2059	SPEC.	FLAG	400mm	270mm	629mm	153.5kg
ROLLS BATTERY 5000 SERIES: 6 VOLT									
6 CS 17P	453	546	770	SPEC.	FLAG	559mm	210mm	464mm	100kg
6 CS 21P	567	683	963	SPEC.	FLAG	559mm	248mm	464mm	122.5kg
6 CS 25P	681	820	1156	SPEC.	FLAG	559mm	286mm	464mm	144kg
6 CS 27P	741	893	1259	SPEC.	FLAG	559mm	286mm	464mm	155kg
ROLLS BATTERY 5000 SERIES: 12 VOLT									
12 CS 11P	296	357	503	SPEC.	FLAG	559mm	286mm	464mm	123kg

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.



*Cycle life may vary by application and is affected by frequency of cycling, operating temperature, depth of discharge (%DOD), adherence to manufacturer-recommended charging parameters and proper maintenance.



2 KS 33P 2 YS 31P

5000 FEATURES

- Widest range of specifications available
- Computer controlled formation
- Modular dual container construction
- Robotically welded
- 10 year warranty
- Included Roll's R-Cap
- 15 year average life*
- Load and capacity tested prior to shipping (wet charge only)

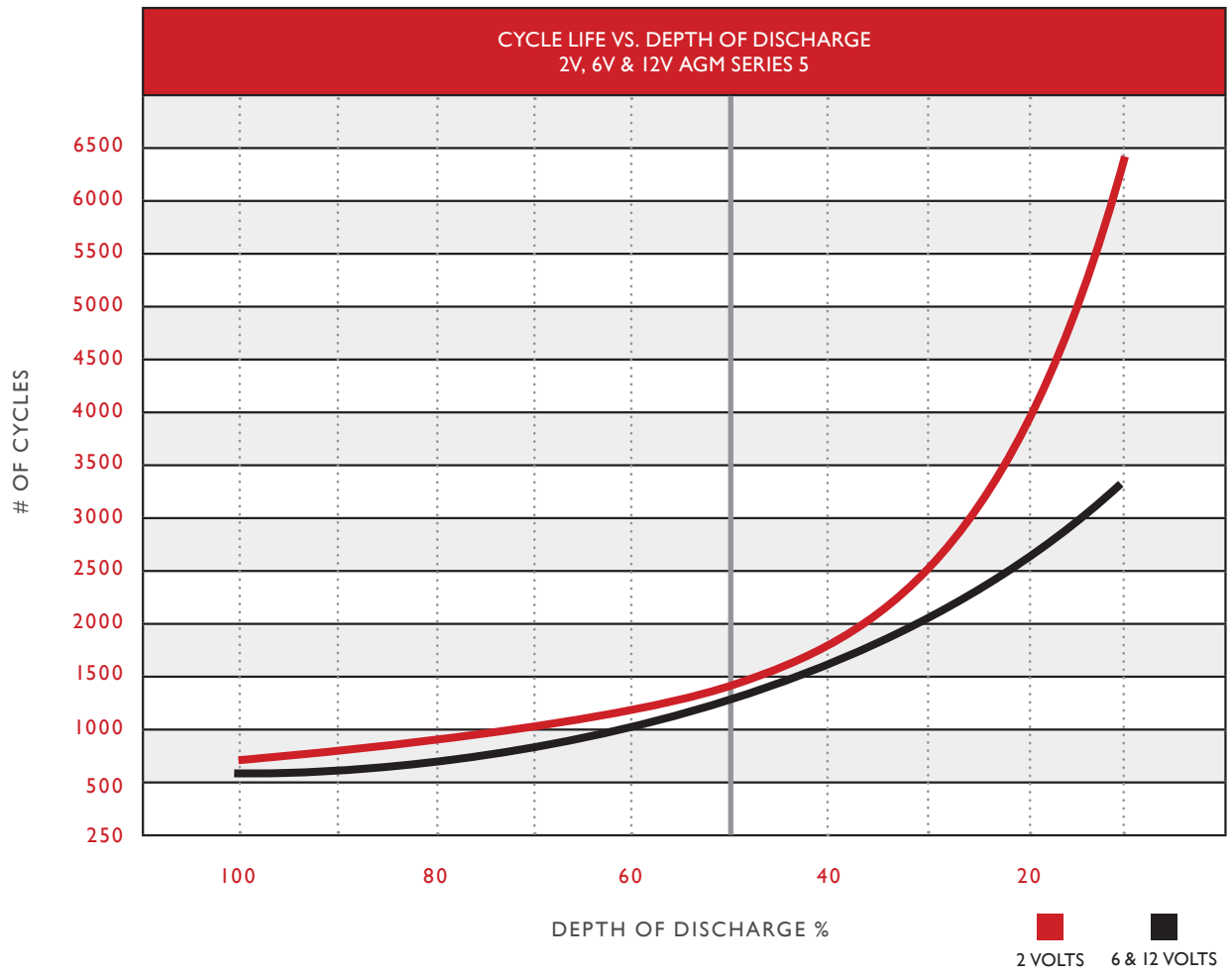


AGM SERIES 5

Rolls high quality AGM Series 5 VRLA batteries offer true deep cycle performance, increased capacity and extended cycle life in a rugged, sealed, shock and vibration-resistant ABS case design for added durability, ideal for a variety of remote and confined off-grid, grid-tied and backup applications.

MODEL	VOLTAGE	10 HR RATE	20 HR RATE	100 HR RATE	TERMINAL TYPE	LENGTH MM	WIDTH MM	HEIGHT MM	WEIGHT KG
ROLLS BATTERY AGM SERIES 5: 2 VOLT									
S2-I275AGM	2 V	1040	1150	1275	F10	295mm	179mm	424mm	57kg
ROLLS BATTERY AGM SERIES 5: 6 VOLT									
S6-275AGM	6 V	229	250	275	M8-TP08	262mm	181mm	273mm	34.5kg
S6-370AGM	6 V	300	335	370	DT	295mm	179mm	365mm	46.5kg
S6-460AGM	6 V	374	415	460	F10	295mm	179mm	424mm	56kg
ROLLS BATTERY AGM SERIES 5: 12 VOLT									
SI2-95AGM	12 V	77	85	95	M6-TP08	260mm	172mm	237mm	25kg
SI2-116AGM	12 V	95	105	116	M8-TP08	307mm	172mm	237mm	30.5kg
SI2-128AGM	12 V	104	115	128	M8-TP08	328mm	175mm	237mm	33kg
SI2-160AGM	12 V	126	145	160	M8-TP08	341mm	172mm	309mm	43.5kg
SI2-230AGM	12 V	189	210	230	LT	530mm	209mm	239mm	60.5kg
SI2-240AGM	12 V	193	215	240	DT	381mm	178mm	371mm	60kg
SI2-290AGM	12 V	234	260	290	LT	521mm	269mm	245mm	77.5kg

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.








S2-1275AGM

AGM SERIES 5 FEATURES

- Sealed construction
- New high-density active paste
- Heavy duty thick plates
- ABS case and cover
- Superior corrosion resistance
- Maintenance free, spill-proof/leak-proof
- Self regulating pressure release valves
- Low self discharge rate, only 3%/month
- Faster recharging time

ROLLS AGM TERMINAL CONFIGURATIONS

					
Post Terminal	DT (Dual Terminal)	LT (Lug Terminal)	M8 (Stud)	M8	TP08 (Brass Post)

Terminal Connections for AGM Series 5 & AGM Series 2 models.



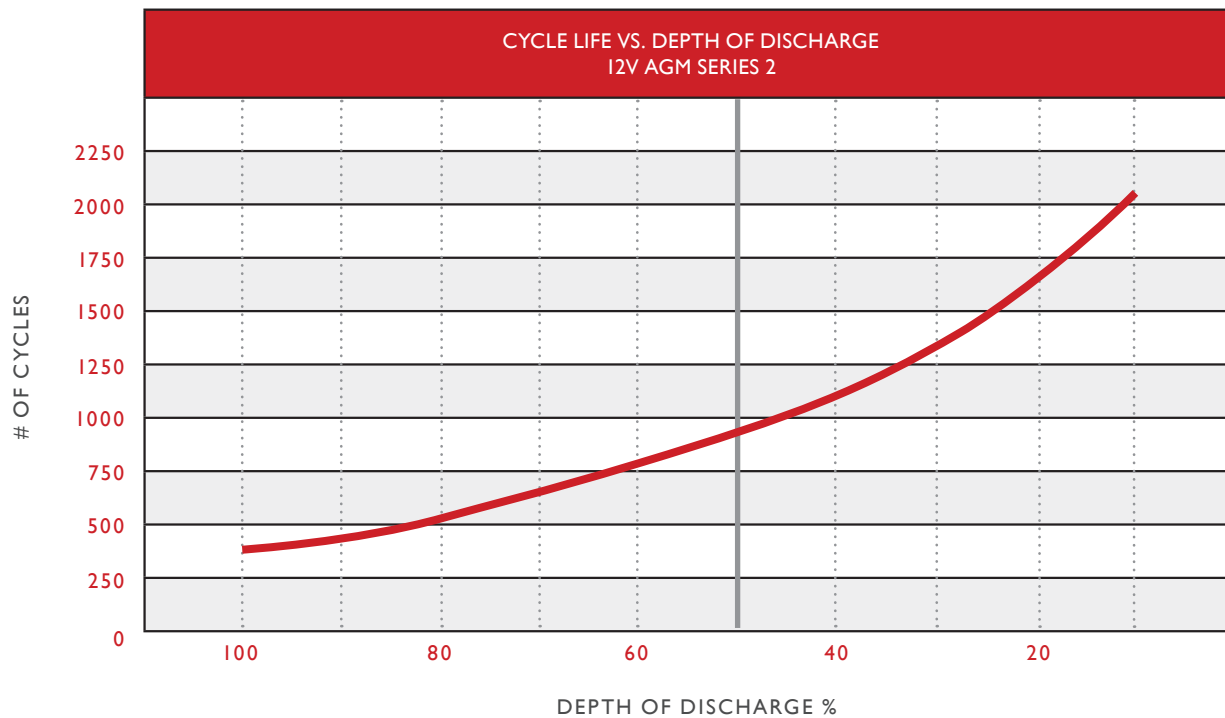
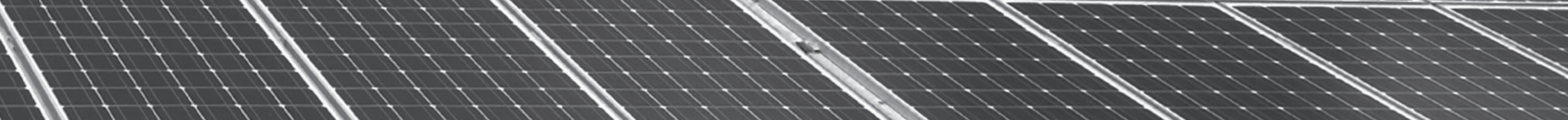
AGM SERIES 2

This range of dual purpose sealed maintenance-free 12 volt AGM batteries offering outstanding value and performance. The AGM Series 2 line offers a lower self-discharge and an increased acceptance to charge current than conventional flooded wet batteries, allowing faster recharge. Incorporating all of the leading design features associated with Absorbed Glass Mat technology, the AGM Series 2 line provides the perfect solution when looking to replace wet batteries or upgrade existing sealed batteries.

MODEL	VOLTAGE	10 HR RATE	20 HR RATE	100 HR RATE	TERMINAL TYPE	LENGTH MM	WIDTH MM	HEIGHT MM	WEIGHT KG
ROLLS BATTERY AGM SERIES 2: 12 VOLT									
R12-80AGM	12 V	68	80	90	M6-TP08	260mm	169mm	237mm	23kg
R12-100AGM	12 V	86	100	110	M8-TP08	306mm	169mm	237mm	27kg
R12-110AGM	12 V	90	110	120	M8-TP08	328mm	172mm	220mm	30kg
R12-200AGM	12 V	162	200	220	F8	522mm	240mm	224mm	55.5kg
R12-260AGM	12 V	200	260	290	F8	522mm	268mm	224mm	56kg

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.





R12-100AGM

AGM SERIES 2 FEATURES

- Maintenance-free sealed construction
- Low internal resistance allowing faster recharge
- Shock and vibration-resistance ABS case
- 800 cycles at 50% DOD*
- Standard dimensions for easy retro-fit

*Cycle life may vary by application and is affected by frequency of cycling, operating temperature, depth of discharge (%DOD), adherence to manufacturer-recommended charging parameters and proper maintenance.

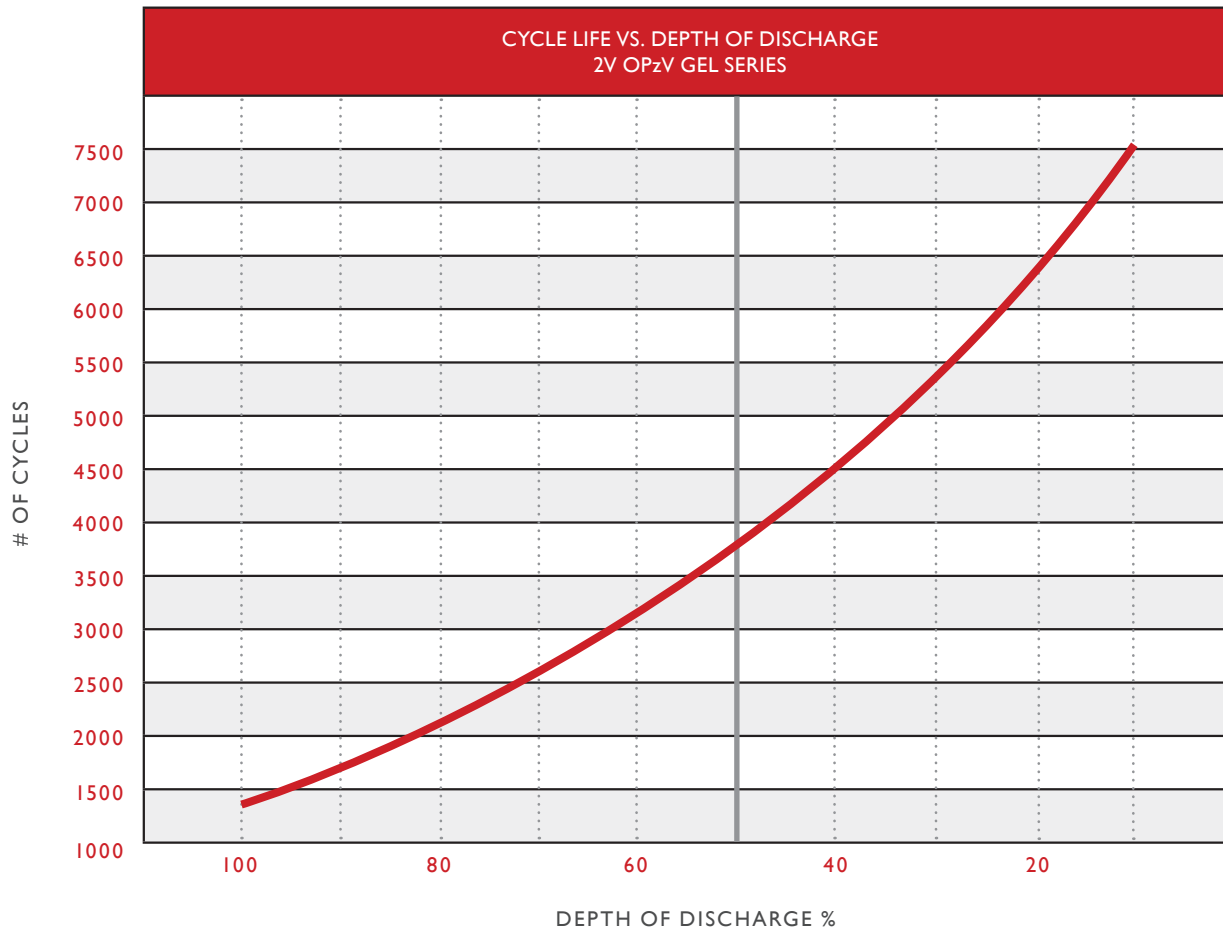
GEL SERIES

Rolls GEL OPzV range offers an immobilized GEL and Tubular plate technology, providing high reliability and performance. Each is designed and manufactured according to DIN standards, constructed with die-casting positive grid and a patent formula of active material. Rolls GEL OPzV 2 volt models offers high cyclic use even under extreme operating conditions and more than 20 years floating design life at 25°C / 77°F.

MODEL	10 HR RATE	20 HR RATE	100 HR RATE	TERMINAL TYPE	LENGTH MM	WIDTH MM	HEIGHT (INCL. TERMINAL) MM	WEIGHT KG
ROLLS BATTERY GEL: 2 VOLT								
S2-224GEL	224	252	301	2 x Threaded Female M10	103mm	206mm	382mm	20kg
S2-280GEL	280	315	376	2 x Threaded Female M10	124mm	206mm	382mm	24kg
S2-336GEL	336	378	452	2 x Threaded Female M10	145mm	206mm	382mm	28kg
S2-405GEL	405	459	556	2 x Threaded Female M10	124mm	206mm	498mm	31kg
S2-486GEL	486	551	668	2 x Threaded Female M10	145mm	206mm	498mm	37kg
S2-567GEL	567	643	782	2 x Threaded Female M10	166mm	206mm	498mm	42kg
S2-690GEL	690	785	968	2 x Threaded Female M10	145mm	206mm	673mm	50kg
S2-920GEL	920	1046	1287	4 x Threaded Female M10	191mm	210mm	673mm	68kg
S2-1150GEL	1150	1308	1610	4 x Threaded Female M10	233mm	210mm	673mm	82kg
S2-1380GEL	1380	1571	1938	4 x Threaded Female M10	275mm	210mm	824mm	97kg
S2-1620GEL	1620	1828	2197	4 x Threaded Female M10	275mm	210mm	824mm	120g
S2-2160GEL	2160	2437	2927	6 x Threaded Female M10	399mm	214mm	799mm	165kg
S2-2700GEL	2700	3044	3655	8 x Threaded Female M10	487mm	212mm	799mm	200kg
S2-3240GEL	3240	3660	4402	8 x Threaded Female M10	576mm	212mm	799mm	240kg
S2-3458GEL	3458	3936	4730	8 x Threaded Female M10	576mm	212mm	799mm	252kg

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.

*Rolls OPzV GEL models must be installed vertically unless otherwise specified. Models compatible with horizontal installation are available upon request. Please contact your Rolls Battery distributor or dealer for more information.



S2-450GEL

GEL FEATURES

- Sealed maintenance-free construction
- Tubular plate technology for high cyclic use and float applications
- Durable ABS case
- Low self-discharge (less than 2% per month)
- Vertical or horizontal* mounting / installation
- Wide range of capacities & standard sizes

*see Rolls Battery User Manual for installation instructions.

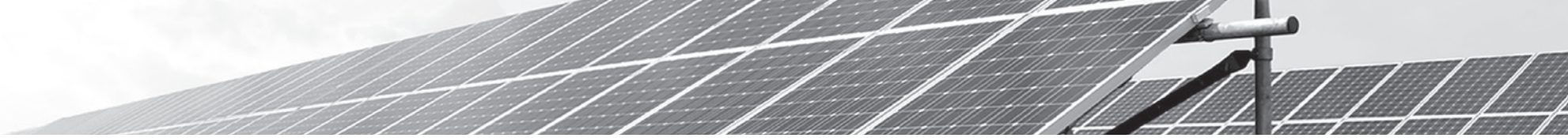


INDUSTRY LEADING WARRANTY

Rolls deep cycle battery lines are backed with comprehensive, non-transferable warranties that lead the industry in length of coverage against manufacture defect. We're confident that our batteries will perform time after time, year after year. However, should a problem arise, you may be assured that you're covered better than any other battery warranty in the business.

WARRANTY TERMS				
SERIES	APPLICATION	FULL REPLACEMENT PERIOD (MONTHS)	PRO-RATED WARRANTY PERIOD (MONTHS)	TOTAL WARRANTY PERIOD
RENEWABLE ENERGY				
4000	RENEWABLE ENERGY	24	60	84 MONTHS 7 YEARS
4500	RENEWABLE ENERGY	36	48	84 MONTHS 7 YEARS
5000	RENEWABLE ENERGY	36	84	120 MONTHS 10 YEARS
AGM				
SERIES 5	RENEWABLE ENERGY	24	60	84 MONTHS 7 YEARS
SERIES 2	RENEWABLE ENERGY	12	12	24 MONTHS 2 YEARS
OPzV GEL				
GEL	RENEWABLE ENERGY	36	24	60 MONTHS 5 YEARS

For full warranty terms & conditions, visit www.rolls-battery.com



USED IN SYSTEMS AROUND THE WORLD

Manufactured in Springhill, Nova Scotia, Canada since 1959, Roll's deep cycle batteries are sold via distribution around the world. Manufactured for use in wide range of markets, Roll's batteries are chosen to provide dependable power in a wide range of Renewable Energy applications. From residential off-grid, grid-tied or backup power installs to large-scale applications such as diesel generator replacement in developing countries and island mini-grid systems such as those installed at the Scottish isles of Eigg, Muck, and Rum, as well as the Shetland island of Foula.

- Mini-grid systems Isle of Eigg, Muck & Rum, Scotland
- Shetland Isle of Foula, Scotland
- Sioma High School – Western Zambia
- Aloe D'Agafay Ecology Retreat, Marrakesh, Morocco



6 CS 27P



S2-1275



S2-1070GEL



2 YS 62P



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