SBCR ISO 14001 CERTIFIED SBCR ISO 9001 CERTIFIED

PROPRIETARY TECHNOLOGIES OF NEWMAX BATTERY

The ultimate premium industrial battery of korea - NEWMAX battery

KOREA BATTERY CO., LTD.
www.newmaxbattery.co.kr

Factory: 306 Gongdan-dong, Gumi City, Kyungbuk, Korea
Office: 10-633 Seowon-dong, Kwanak-ku, Seoul, Korea Tel : +82-2-883-7091 Fax : +82-2-882-7094
Email : contact@newmaxbattery.co.kr

Industry Leader in Lead-Acid Batteries

Premium Power From Premium Battery

newmax®

KOREA BATTERY CO., LTD.

NEWMAX BATTERY

25 years of professional battery manufacturing experience and know-how have made Daejin Korea Battery one of the leading storage battery manufacturers in the world. We have been stubbornly insisting on using only the purest and the most refined materials in producing our premium grade batteries. This dedication to quality has placed us where we are now.
We take pride in providing the industry leading standards in grid manufacturing and electrolyte refining technology that will dominate the VRLA battery industry in the next decades or so.

COMPANY HISTORY

2017 New automatic production line installed for new SG/PNB series and automotive batteries

2016 CE certificate acquired for European market (SG series)

2015 Became official registered member of BCI (Battery Council International)

2013 Awarded one of the best exporters at the 50th annual trade day by the Korean government

2012 Awarded one of the best exporters at the 49th annual trade day by the Korean government

2011 Developed and Launched BM-series flooded battery for golf cart

2010 Developed and launched UPN series for premium standby power
ISO 9001 / ISO 14001 acquired by BVQ international cert.
Acquired Korean Industrial standards certification (KS cert)

2009 Established Daejin Battery Co.,Ltd (M&A of NB Corp)
Developed and launching SG series deep cycle Gel (12v, 70~220ah) battery for solar power storage
Acquired UL (Underwriters Laboratories) for global marketing and export

2005 Started to supply Korea Telecom company for telecommunications (PNB, PNGB)

2000 Developed and launched PNGB series (2v, 150ah~ 2000ah) for large capacity standby power

1998 Developed and launched PNC series (12v, 70~200ah) for mobility deep cycle & premium standby battery.

1995 Started export business to Asian countries.

1994 Developed and launched PNB series (12v, 70~220ah) for UPS, standby power
Registered brand and trade mark " NewMax" battery

1993 Established NB Corporation & factory built in Gumi-city, Korea

PROPRIETARY TECHNOLOGIES OF NEWMAX BATTERY

DenseMax™ Grid Technology
Proprietary grid casting technology that condenses the lead grain in the grids increasing the density by 50% compared to a conventional gravity casting method. Higher density grids enable prolonged battery life even in the most severe operating environments.

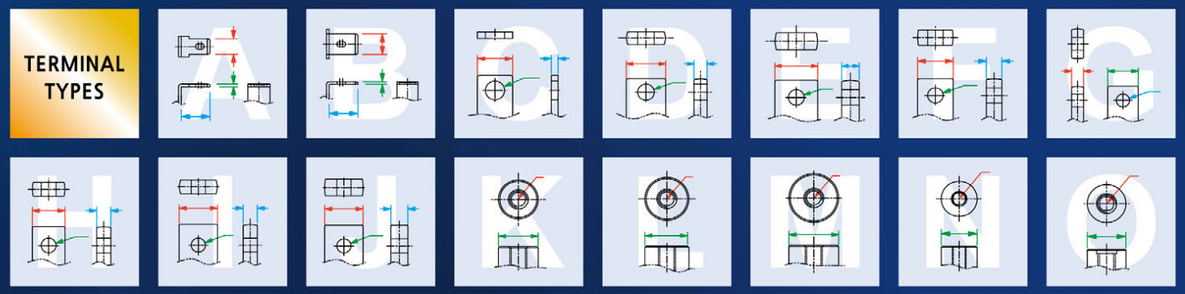
MaxPress™ Grid Technology.
Patent pending grid compressing technology which increases the density of the lead grain of the grids. The grain density is typically 400% greater than that of the conventional casting method. This up-to-date grid technology enables our batteries to survive even the toughest deep discharge and PSoC applications.

ThixoPure™ GEL Technology
Application of refined pure thixotropic colloidal silica GEL technology to battery electrolyte has greatly increased the cycle life by both preventing plate stratification and providing extra temperature protection against heat and cold. We are the first Korean company to successfully commercialize the GEL technology in the VRLA battery industry.

FlexSealing™ Anti Explosion Filter
Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.

ActiveCarbon™
In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

Fahrenheit-Schutz™ Heat Protection Case
Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140°C and complies to RoHs Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.



TERMINAL(mm)

(A) / (B) / (C)

Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
(A)	4.75	6.30	12.00	15.00	15.00	11.50	4.50	11.50	13.50	13.50	M6	M6	M6	M8	M8
(B)	0.80	0.80	6.50	6.30	6.30	5.00	11.50	5.25	5.00	5.00	14.00	15.50	17.50	21.00	22.00
(C)	8.60	8.60	2.30	5.00	7.00	5.00	5.00	5.00	5.00	6.00					

SG SERIES

Solar Gel Deep Cycle

NEWMAX Solar Gel(SG Series) batteries are true maintenance-free sealed batteries engineered specifically to satisfy the need for frequent deep cycles from photovoltaic (PV) and renewable energy storage applications. We are confident that our technology-intensive, long-lasting, and environment friendly SG Series batteries will provide stability and efficiency for your everyday renewable energy needs.

MaxPress™ Grid Technology.
Patent pending grid compressing technology which increases the density of the lead grain of the grids. The grain density is typically 400% greater than that of the conventional casting method. This up-to-date grid technology enables our batteries to survive even the toughest deep discharge and PSoC applications.

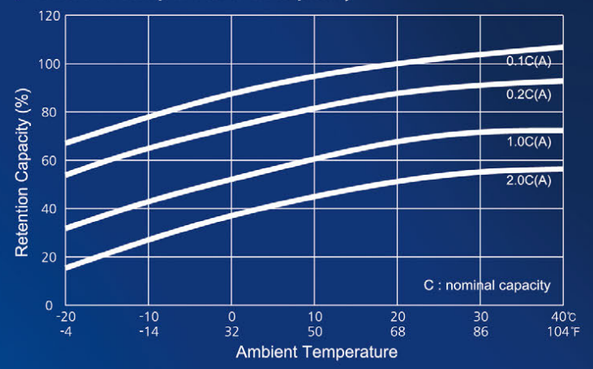
ThixoPure™ GEL Technology
Application of refined pure thixotropic colloidal silica GEL technology to battery electrolyte has greatly increased the cycle life by both preventing plate stratification and providing extra temperature protection against heat and cold. We are the first Korean company to successfully commercialize the GEL technology in the VRLA battery industry.

FlexSealing™ Anti Explosion Filter
Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.

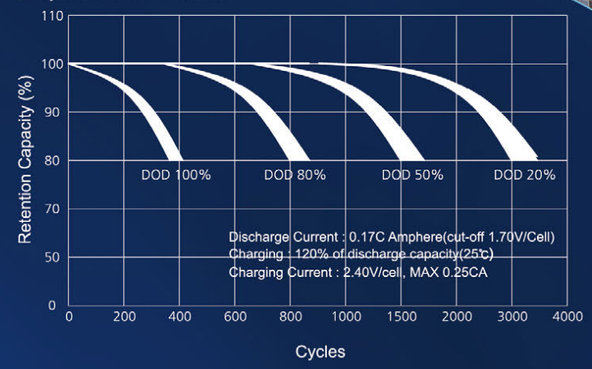
ActiveCarbon™
In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

Fahrenheit-Schutz™ Heat Protection Case
Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140˚C and complies to RoHs Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.

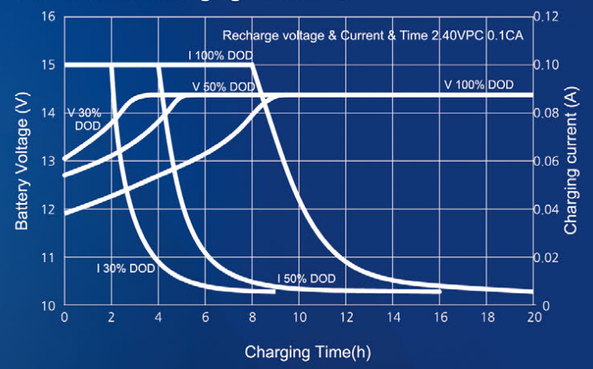
Effect of temperature on capacity



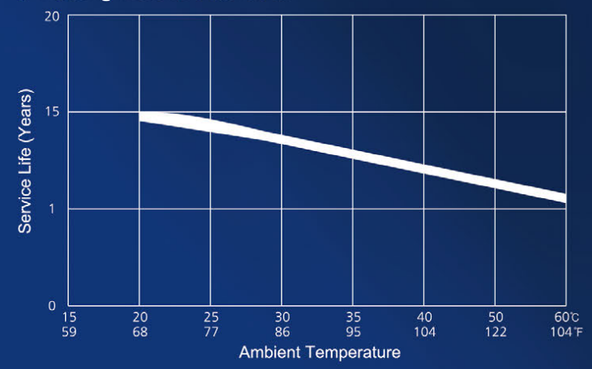
Cycle life characteristic



DOD % vs Recharging time curve



Floating life characteristics



12 Voltage SG Series Battery Specifications

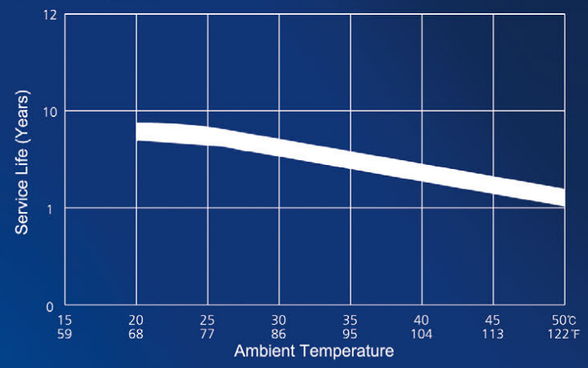
Battery Type	(V)	Nominal Capacity				Dimension								Approx. Weight		Terminal type
		20H	10H	5H	1H	Length		Width		Height		T.Height				
		Final V.P.C				(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(Lb)	(kg)	(S)
		(1.80)	(1.75)	(1.70)	(1.60)											
SG 800H	12	80	76	70	53	368	14.49	172	6.77	210	8.27	219	8.62	59.4	27	N
SG 1000H	12	100	95	87	66	368	14.49	172	6.77	210	8.27	219	8.62	66	30	N
SG 1200H	12	120	114	104	79	368	14.49	172	6.77	210	8.27	219	8.62	72.6	33	N
SG 1500H	12	150	143	131	99	522	20.55	240	9.45	215	8.46	221	8.70	103.4	45	N
SG 2000H	12	200	190	174	132	522	20.55	240	9.45	215	8.46	221	8.70	125.4	57	N
SG 2000H	12	220	209	191	145	522	20.55	240	9.45	215	8.46	221	8.70	129.8	59	N

PNB SERIES

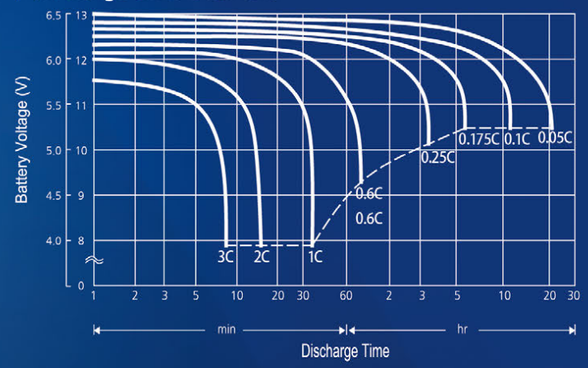
AGM, VRLA for UPS, Telecommunication

PNB Series is AGM and VRLA type batteries available in various capacities and dimensions which can be installed in any direction. The sealed structure is possible due to technology that prevents over pressuring from excess gas formation. This series can be used for UPS, telecommunications, lighting systems and more.

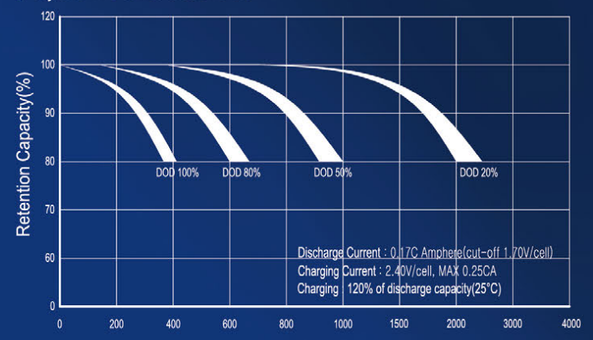
Characteristic



Discharge time vs current



Cycle life characteristic



MaxPress™ Grid Technology.
Patent pending grid compressing technology which increases the density of the lead grain of the grids. The grain density is typically 400% greater than that of the conventional casting method. This up-to-date grid technology enables our batteries to survive even the toughest deep discharge and PSoC applications.

FlexSealing™ Anti Explosion Filter
Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.

ActiveCarbon™
In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

Fahrenheit-Schutz™ Heat Protection Case
Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140°C and complies to RoHs Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.

12 Voltage PNB Series Battery Range Specifications

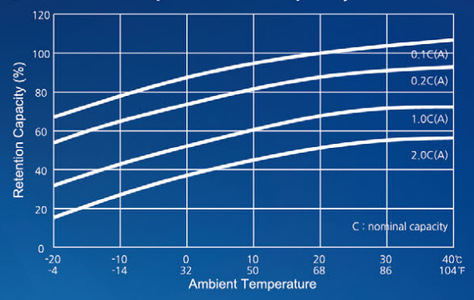
Battery Type	(V)	Nominal Capacity(AH)				Dimension								Weight		Terminal type	
		20H	10H	5H	1H	Length		Width		Height		T.Height		Approx.			
		Final V.P.C															
		(1.8)	(1.75)	(1.7)	(1.6)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(Lb)	(kg)	(S)	(O)
PNB 12400	12	42	40	36	24	197	7.76	166	6.54	170	6.69	170	6.69	29.26	13.3	D	K
PNB 12650	12	68	65	59	39	325	12.80	166	6.54	175	6.89	175	6.89	47.3	21.5	E	M
PNB 12700	12	72	68	64	42	350	13.78	166	6.54	175	6.89	175	6.89	50.6	23	E	M
PNB 12800	12	80	76	70	50	368	14.49	172	6.77	205	8.07	219	8.62	57.2	26	N	
PNB 121000	12	100	95	87	64	368	14.49	172	6.77	205	8.07	219	8.62	64.9	29.5	N	
PNB 121200	12	120	114	104	75	368	14.49	172	6.77	205	8.07	219	8.62	70.4	32	N	
PNB 121500	12	150	143	131	94	522	20.55	240	9.45	215	8.46	221	8.70	95.7	45	N	
PNB 122000	12	200	190	174	125	522	20.55	240	9.45	215	8.46	221	8.70	123.2	56	N	
PNB 122000	12	220	209	191	138	522	20.55	240	9.45	215	8.46	221	8.70	128.7	58.5	N	

PNC SERIES

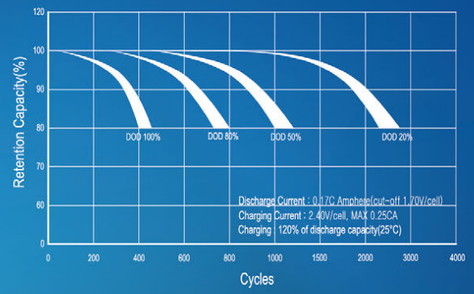
Mobility Deep Cycle

The truly maintenance free PNC Series is designed specifically for deep cycle mobile power units such as electric wheelchairs and scooters.
Our unique lead plate design is optimized for exceptional performance in deep cycle applications.

Effect of temperature on capacity



Cycle life characteristic



12 Voltage PNC Series Battery Range Specifications

Battery Type	(V)	Nominal Capacity(AH)				Dimension								Weight		Terminal type	
		10H	5H	3H	1H	Length		Width		Height		T.Height		Approx.			
		Final V.P.C															
		(1.75)	(1.70)	(1.67)	(1.60)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(Lb)	(kg)	(S)	(O)
PNC 12400	12	40	37	33	26	197	7.76	166	6.54	170	6.69	170	6.69	31.5	14.3	D	K
PNC 12500P	12	50	46	42	33	197	7.76	166	6.54	170	6.69	170	6.69	32.6	14.8	D	K
PNC 12550	12	55	51	46	36	229	9.02	138	5.43	208	8.19	213	8.39	39.7	18.0	L	
PNC 12700	12	70	64	58	46	325	12.80	166	6.54	175	6.89	175	6.89	50.7	23.0	E	M
PNC 12800	12	80	75	68	54	500	19.69	180	7.09	195	7.68	224	8.82	65.0	29.5	H	N
PNC 121000	12	100	94	85	67	500	19.69	180	7.09	195	7.68	224	8.82	71.7	32.5	H	N
PNC 121200	12	120	113	102	80	500	19.69	180	7.09	195	7.68	224	8.82	87.1	39.5	H	N
PNC 121500	12	150	141	128	101	500	19.69	260	10.24	196	7.72	225	8.86	101.4	46.0	H	N
PNC 122000	12	200	188	170	134	500	19.69	260	10.24	196	7.72	225	8.86	132.3	60.0	H	N

MaxPress™ Grid Technology.

Patent pending grid compressing technology which increases the density of the lead grain of the grids. The grain density is typically 400% greater than that of the conventional casting method. This up-to-date grid technology enables our batteries to survive even the toughest deep discharge and PSoC applications.

FlexSealing™ Anti Explosion Filter

Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.

ActiveCarbon™

In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

Fahrenheit-Schutz™ Heat Protection Case

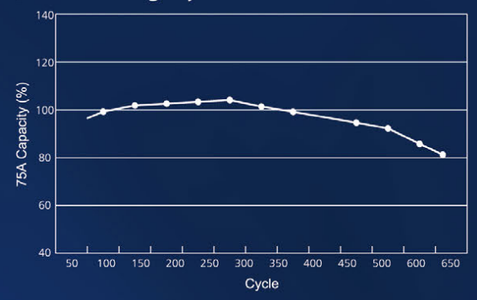
Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140°C and complies to RoHs Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.

BM SERIES

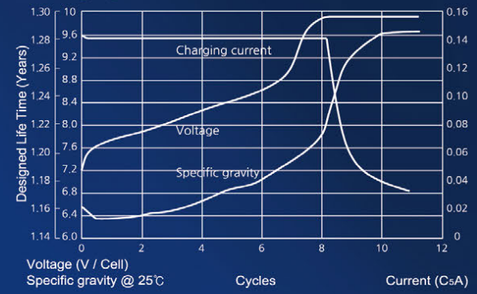
Golf Cart / Electric Vehicle

Our BM series batteries are built to provide an ultra-long life while withstanding a bumpy ride on some of the world's roughest and mountainous
golf courses located in South Korea. These batteries will provide a lively ride throughout the round.

75A Discharge cycle life characteristics



Charging characteristics



BM Series Battery Range Specifications

Battery Type	(V)	Nominal Capacity(AH)			Exterior Dimension				Liquid amount (ℓ)	Weight (KG)	Terminal type
		20HR	5HR	75A(min)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)			
BM 6225	6	225	185	115	260	183	247	279	5.7	28.6	Standard
BM 6240	6	240	195	132	260	183	247	279	5.4	30.7	Standard
BM 8190	8	190	155	90	260	183	247	279	5.2	31.6	Standard
BM 8240	8	240	190	110	260	183	283	317	6.2	37.6	Standard
BM 8260	8	260	200	120	260	182	295	338	7.2	39.5	Standard
BM 12165	12	165	135	70	331	183	247	279	6.8	39.6	Standard

Case & Cover

- Use of Polypropylene(PP) Resin.
- A special saddle plate installed for prevention of a short on the bottom from withdrawal of active substances.
- A design which keeps the electrolytes from being leaking.

Plates

- Made from 99.99% or higher purity lead processed into an active substance.
- Use an antimony alloy metal with higher corrosion-resistance on the board
- The negative plate uses highly porous and deep cycle-resistant additives.
- A special additive applied the positive plate for a long service life

Separators

- Use a highly porous and corrosionresistant PVC material
- A glass fiber applied to the surface to prevent withdrawal of active substances
- Low electric resistance and excellent physical traits

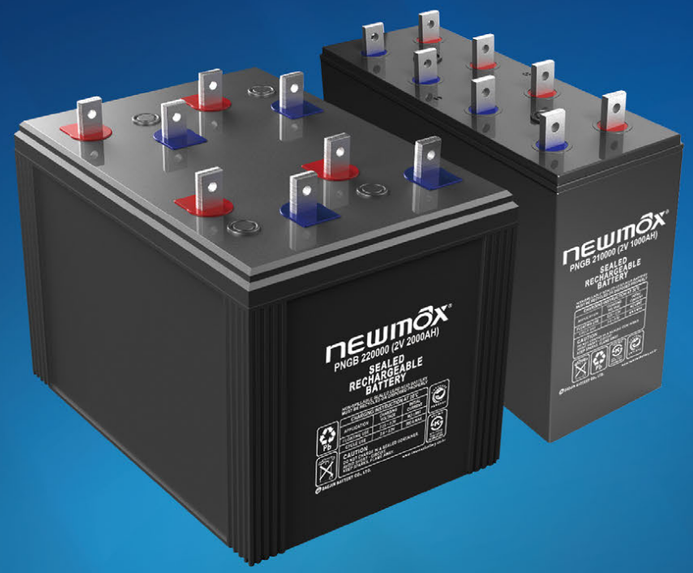
Electrolytes / Cap

- Electrolytes contain highly pure, refined sulphuric acid (KS M 1203 No.3 or higher)
- Cap has a structure that can filter acid haze and gas generated during the rechange step 3, and discharge only the gas.
- Uses a filter that can prevent an explosion from inflammation of the interior

PNGB SERIES

2V block UPS, Deep Cycle Gel

The PNGB series has a completely sealed gas-recombining structure which has a relatively long life. It is available in various capacities and dimensions. This series is fit for both floating and deep cycle service, such as UPS, telecommunication and lighting systems. They are usable in a wide temperature range, from -20˚C to 50˚C and can be used in various services including high-rate discharge.



DenseMax™ Grid Technology

Proprietary grid casting technology that condenses the lead grain in the grids increasing the density by 50% compared to a conventional gravity casting method. Higher density grids enable prolonged battery life even in the most severe operating environments.

ThixoPure™ GEL Technology

Application of refined pure thixotropic colloidal silica GEL technology to battery electrolyte has greatly increased the cycle life by both preventing plate stratification and providing extra temperature protection against heat and cold. We are the first Korean company to successfully commercialize the GEL technology in the VRLA battery industry.

FlexSealing™ Anti Explosion Filter

Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.

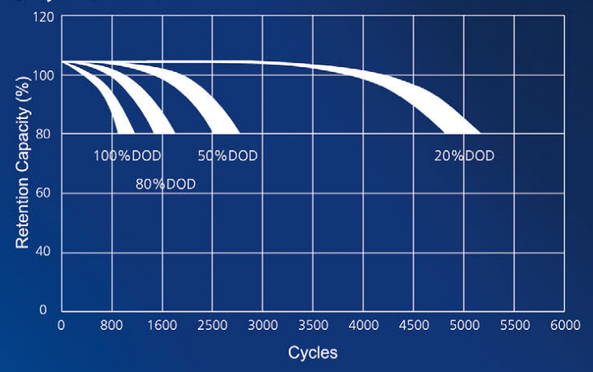
ActiveCarbon™

In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

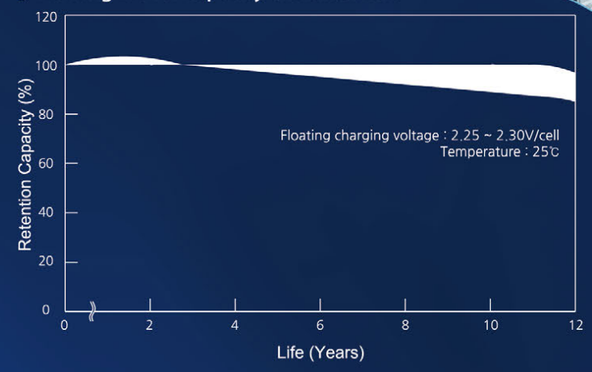
Fahrenheit-Schutz™ Heat Protection Case

Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140˚C and complies to RoHs Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.

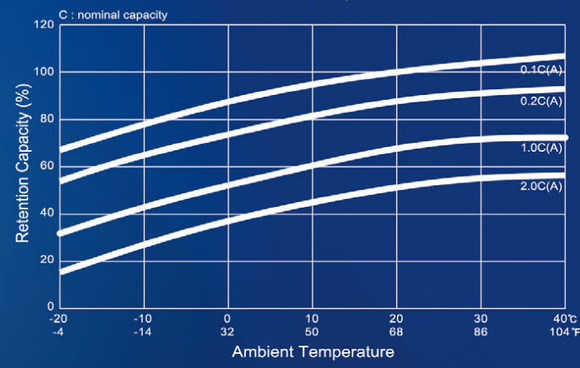
Cycle life DOD %



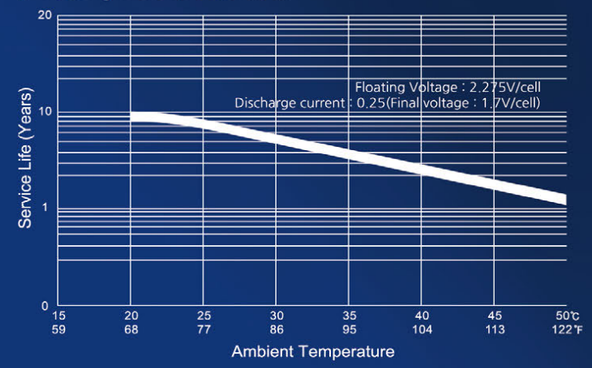
Floating life for capacity characteristic



Effect of temperature on capacity



Floating life characteristics



2 Voltage PNGB Series Battery Range Specifications

Battery Type	(V)	Nominal Capacity(AH)				Dimension								Weight		Terminal type
		10HR	5HR	3HR	1HR	Length		Width		Height		T.Height		Approx.		
		Final V.P.C (1.80)	(1.70)	(1.67)	(1.60)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(Lb)	(kg)	(S)
PNGB 21000	2	100	91	83	66	106	4.17	170	6.69	326	12.83	364	14.33	17.1	7.7	I
PNGB 21200	2	120	109	100	79	106	4.17	170	6.69	326	12.83	364	14.33	19.8	9.0	I
PNGB 21500	2	150	137	125	99	106	4.17	170	6.69	326	12.83	364	14.33	22.0	10.0	I
PNGB 22000	2	200	182	166	132	106	4.17	170	6.69	326	12.83	364	14.33	26.5	12.0	I
PNGB 22500	2	250	228	208	165	195	7.68	170	6.69	326	12.83	364	14.33	34.2	15.5	I
PNGB 23000	2	300	273	249	198	195	7.68	170	6.69	326	12.83	364	14.33	40.3	18.3	I
PNGB 24000	2	400	364	332	264	195	7.68	170	6.69	326	12.83	364	14.33	50.0	22.7	I
PNGB 25000	2	500	455	415	330	289	11.38	171	6.73	326	12.83	364	14.33	63.9	29.0	I
PNGB 26000	2	600	546	498	396	289	11.38	171	6.73	326	12.83	364	14.33	73.9	33.5	I
PNGB 27000	2	700	637	581	462	382	15.04	171	6.73	326	12.83	364	14.33	89.3	40.5	I
PNGB 28000	2	800	728	664	528	382	15.04	171	6.73	326	12.83	364	14.33	99.2	45.0	I
PNGB 29000	2	900	819	747	594	471	18.54	171	6.73	326	12.83	364	14.33	116.8	53.0	I
PNGB 210000	2	1000	910	830	660	471	18.54	171	6.73	326	12.83	364	14.33	127.9	58.0	I
PNGB 212000	2	1200	1092	996	792	471	18.54	171	6.73	326	12.83	364	14.33	147.7	67.0	I
PNGB 214000	2	1400	1274	1162	924	472	18.58	333	13.11	340	13.39	372	14.65	191.8	87.0	J
PNGB 216000	2	1600	1456	1328	1056	472	18.58	333	13.11	340	13.39	372	14.65	211.6	96.0	J
PNGB 218000	2	1800	1638	1494	1188	472	18.58	333	13.11	340	13.39	372	14.65	231.5	105	J
PNGB 220000	2	2000	1820	1660	1320	472	18.58	333	13.11	340	13.39	372	14.65	249.1	113	J

UPN SERIES

2V Deep Cycle Premium Gel with Longer Life

The Newmax UPN Series is an ultra efficient premium quality UPS battery series. This innovative and technology intensive product has proven to last up to 60% longer than its predecessor, the PNGB series. Constant drive for true innovation was the key to the success of our UPN series.

DAEJIN KOREA BATTERY 100% MADE IN KOREA

DenseMax™ Grid Technology

Proprietary grid casting technology that condenses the lead grain in the grids increasing the density by 50% compared to a conventional gravity casting method. Higher density grids enable prolonged battery life even in the most severe operating environments.

ThixoPure™ GEL Technology

Application of refined pure thixotropic colloidal silica GEL technology to battery electrolyte has greatly increased the cycle life by both preventing plate stratification and providing extra temperature protection against heat and cold. We are the first Korean company to successfully commercialize the GEL technology in the VRLA battery industry.

FlexSealing™ Anti Explosion Filter

Patent pending proprietary cap filtering and sealing technology. Battery cell caps are sealed simultaneously using specially designed o-rings and explosion filters to prevent leakage and gassing more effectively than ever before.

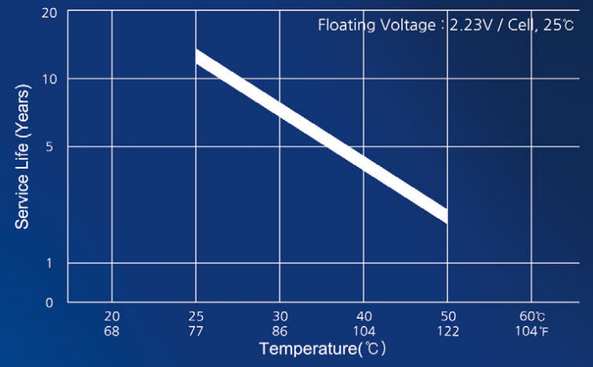
ActiveCarbon™

In every Newmax battery, proprietary micro carbon additive is used in the active material for both positive and negative plates to enhance charge acceptance and cycle endurance. ActiveCarbon™ works to strengthen charge pathways to improve performance consistency and enhance performance at partial state of charge (PSoC) environment.

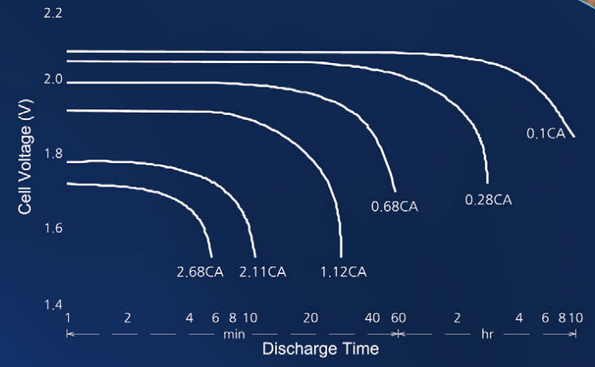
Fahrenheit-Schutz™ Heat Protection Case

Specially formulated heat and flame resistant polypropylene case material is used to effectively block ambient heat thus preventing heat related malfunctions such as thermal runaway. This proprietary high rigidity case material has heat deflection rating of 140°C and complies to RoHs Compliant EU Directive 2002/95/EC. Additional UL94-V0 protection option also available.

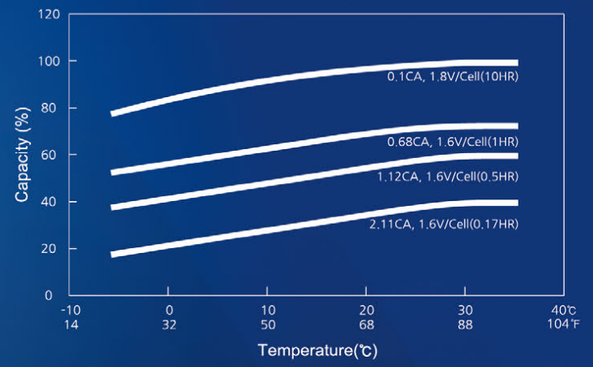
Floating life characteristics



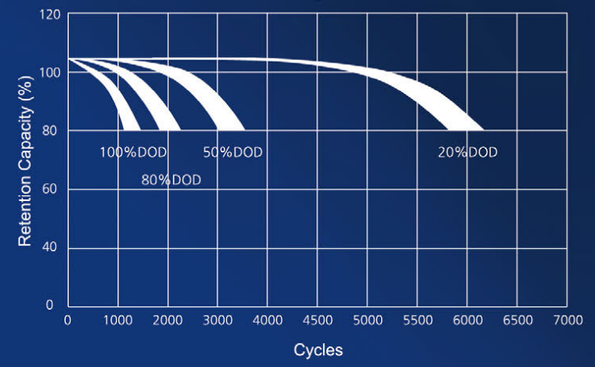
Discharge time vs current



Effect of temperature on capacity



Cycle life vs Depth of Discharge@25℃



2 Voltage UPN Series Battery Specifications

Battery Type	(V)	Nominal Capacity(AH)				Dimension								Weight		Terminal type
		10HR	5HR	3HR	1HR	Length		Width		Height		T.Height		Approx.		
		Final V.P.C														
		(1.80)	(1.70)	(1.67)	(1.60)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(Lb)	(kg)	(S)
UPN 150	2	150	137	125	99	106	4.17	170	6.69	326	12.83	364	14.33	24.3	11.0	I
UPN 200	2	200	182	166	132	106	4.17	170	6.69	326	12.83	364	14.33	29.8	13.5	I
UPN 250	2	250	228	208	165	195	7.68	170	6.69	326	12.83	364	14.33	38.6	17.5	I
UPN 300	2	300	273	249	198	195	7.68	170	6.69	326	12.83	364	14.33	45.2	20.5	I
UPN 400	2	400	364	332	264	195	7.68	170	6.69	326	12.83	364	14.33	56.2	25.5	I
UPN 500	2	500	455	415	330	289	11.38	171	6.73	326	12.83	364	14.33	71.7	32.5	I
UPN 600	2	600	546	498	396	289	11.38	171	6.73	326	12.83	364	14.33	83.8	38.0	I
UPN 700	2	700	637	581	462	382	15.04	171	6.73	326	12.83	364	14.33	100.3	45.5	I
UPN 800	2	800	728	664	528	382	15.04	171	6.73	326	12.83	364	14.33	111.3	50.5	I
UPN 900	2	900	819	747	594	471	18.54	171	6.73	326	12.83	364	14.33	130.1	59.0	I
UPN 1000	2	1000	910	830	660	471	18.54	171	6.73	326	12.83	364	14.33	143.3	65.0	I
UPN 1200	2	1200	1092	996	792	471	18.54	171	6.73	326	12.83	364	14.33	154.3	70.0	I
UPN 1400	2	1400	1274	1162	924	472	18.58	333	13.11	340	13.39	372	14.65	213.8	97.0	J
UPN 1600	2	1600	1456	1328	1056	472	18.58	333	13.11	340	13.39	372	14.65	235.9	107	J
UPN 1800	2	1800	1638	1494	1188	472	18.58	333	13.11	340	13.39	372	14.65	260.1	118	J
UPN 2000	2	2000	1820	1660	1320	472	18.58	333	13.11	340	13.39	372	14.65	277.8	126	J

AA SERIES

Premium DIN Type AGM Automotive Battery

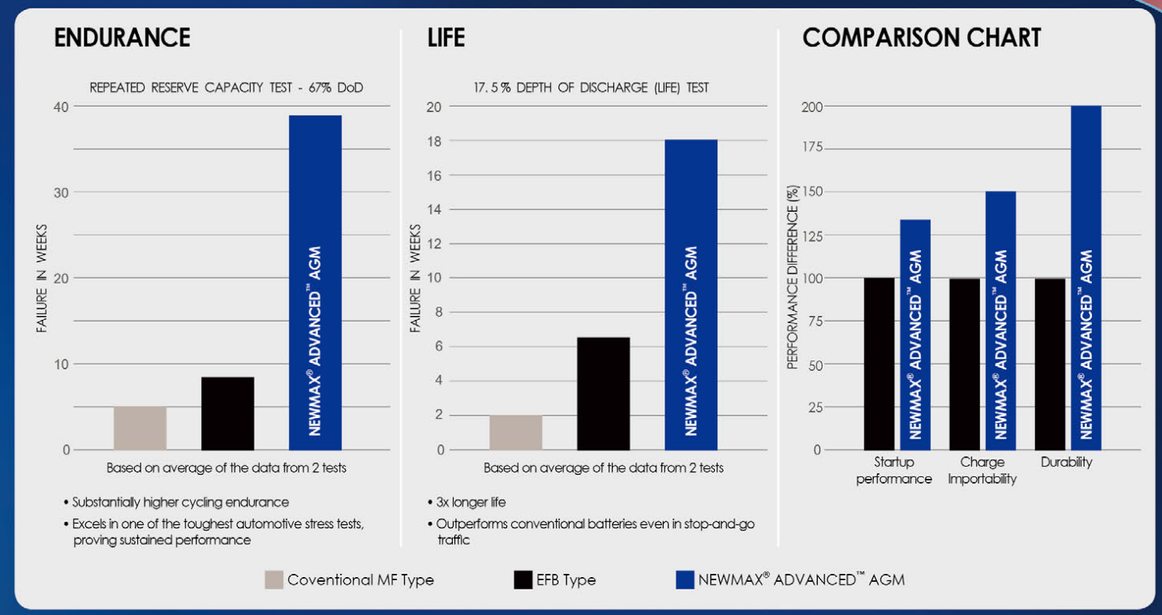
WHY AGM?

NEWMAX ADVANCED™ AGM batteries are designed to handle the increased stress and load :

- Only 15% of consumers of automobile industry worldwide are "very satisfied" with the performance and power of conventional lead-acid batteries.
- Today's vehicle systems and accessories require more electric power than ever before.
- The power consumption of today's vehicles is considerable even when the vehicle is parked.
- No leakage of electrolyte even when physically damaged (safer for the driver and the environment)
- Increased starting reliability at low temperatures

Market trends clearly show the increased demand for advanced battery technology :

- Increased share of AGM/EFB batteries versus SLI standard batteries over the last 5 years
- OEM's are now rapidly adopting AGM technology to meet high demand of power and reliability
- More and more of today's vehicles are equipped with ISG (Idle Stop-Go) Stop-Start systems to increase fuel efficiency and reduce air pollution.
- Consumers naturally want superior performance, safety and durability from their batteries.



DAEJIN KOREA BATTERY 100% MADE IN KOREA

THE ADVANCED™ AGM DIFFERENCE

Lasting Power

- 3x Longer Life compared to conventional MF type batteries.
- 2x longer battery life compared to conventional EFB type batteries.

Maximum Durability

- Up to 20% more CCA and starting power
- Handles heavy start-stop ISG activity

Faster Recharge

- Recharges faster with ActiveCarbon™ Technology

Maintenance Free

- Non-spillable, AGM provides protection against leakage.
- Environmentally Friendly, Leak Free

FEATURES AND BENEFITS

A Newmax batteries feature ActiveCarbon™
Paste technology which helps to strengthen and enhance charge pathways, increasing the charge acceptance and overall durability by adding our proprietary carbon additives.

B Advanced Absorbent Glass Mat (AGM) design.
Newmax batteries hold electrolyte in place using absorbent glass mat (AGM) separator components to prevent leakage and to help recombination of gas.

C MaxPress™ Grid Technology.
Proprietary grid production technology which increases the density of the plate grids to resist corrosion and maximize battery life, even under extreme operating conditions.

D Completely Redesigned Valve System.
Patent pending specially redesigned individualized valve system prevents evaporation and dry-out of electrolyte more effectively for prolonged battery life.

E Industrial Class Quality.
Newmax Advanced AGM batteries are industrial class quality and may also be used for applications requiring deep cycle capability such as solar, UPS, telecom and more.

DIN Group Size	Part Number	CCA @ 0°F	RC MIN @ 25A	Capacity @ 20Hr	Weight (Kg)	Overall Dimensions Length × Width ×Height (mm)
NEWMAX® ADVANCED™ AGM AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT						
L2	**AGM60-AP**	640	140	60	18	242 × 175 × 190
L3	**AGM70-AP**	760	150	70	21	277 × 175 × 190
L4	**AGM80-AP**	800	160	80	23	315 × 175 × 190
L5	**AGM95-AP**	850	170	95	27	353 × 175 × 190
L6	**AGM105-AP**	900	180	105	31	394 × 175 × 190
NEWMAX® ADVANCED AGM™ SOLAR GEL / DEEP CYCLE BATTERIES - MAINTENANCE FREE -12 VOLT						
4D	**SG2000H**	1290	460	220	58	522 × 240 × 215