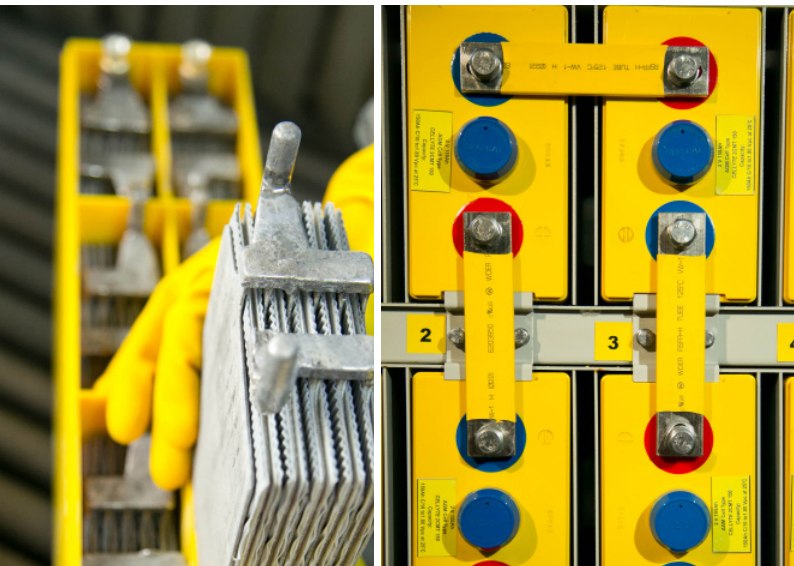


# SEC All Product Brochure



# Table of content

Table of content  
Product select guide

AGM battery

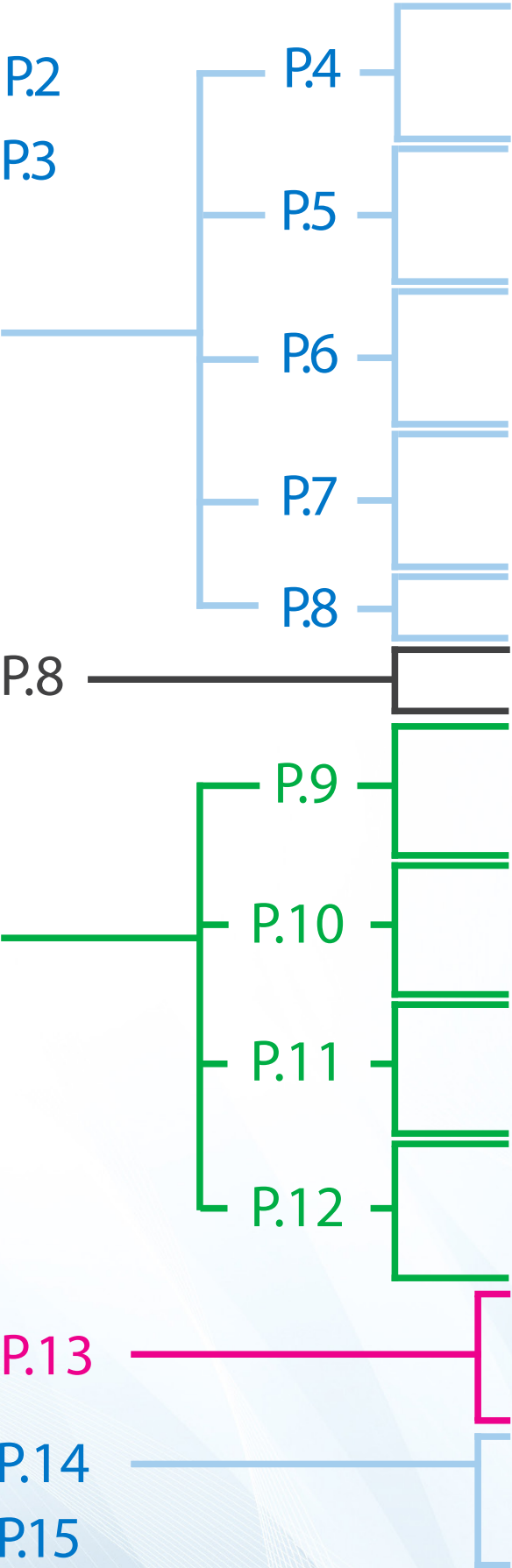
Flooded battery

Gel battery













NiCd battery

Lithium ion battery

Appendix



# Product select guide

	UPS solution 	Tele-communication 	Renewables 	Railway 	Oil&gas 	Motive 	Medical 	Marine 	Industrial standby 	Grid service 	Emergency light supply 	Airport 
TLAM	✓	✓			✓				✓	✓		✓
CMT	✓	✓			✓				✓	✓		✓
2-TLA	✓	✓			✓				✓	✓		✓
MP	✓						✓		✓		✓	
MRT	✓						✓		✓		✓	
TLA	✓						✓		✓		✓	
TUA	✓						✓		✓		✓	
FTA		✓		✓								
UPS	✓				✓				✓			✓
TRA			✓						✓	✓		
TLGM			✓		✓				✓	✓		
CMTG			✓		✓				✓	✓		
2-TLG			✓		✓				✓	✓		
ETG					✓					✓		
TLG			✓		✓	✓		✓				
TSG		✓	✓		✓	✓		✓				
FTG			✓	✓								
ETGB			✓		✓	✓		✓				✓
KP				✓	✓				✓			
KG				✓	✓				✓			
ML	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RML	✓	✓	✓		✓				✓			✓

# TLAM (AGM)



SEC's Cellyte TLAM series is an industry-leading single cell range. The heavy-duty Lead Calcium plates and the valve-regulated design make it virtually maintenance-free with a long float life.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

15-years in float service @ 30°C with an approved catalyst

1050 cycles @ 80% DOD @ 25°C



## Capacity range

2V

100 - 1600 Ah

## Product Benefits



- Reliable VRLA AGM design
- Fitted with CatVent™ catalyst
- Suited for vertical and horizontal rack use
- Performs under temperature fluctuation
- Higher power and efficiency
- Optimised grid design and paste formation
- Extended battery life and cycle service
- ISO:9001 approved

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	

# CMT (AGM)



The Cellyte CMT is our flagship large-capacity VRLA. It's globally acclaimed for its premium performance in high-specification standby systems and has been in production for over three decades.



## Product specification

Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

20-years in float service @ 30°C with an approved catalyst

1200 cycles @ 80% DOD @ 25°C



## Capacity range

2V

100 - 1600 Ah

## Product Benefits



- Reliable VRLA AGM design
- Fitted with CatVent™ catalyst
- Suited for vertical and horizontal rack use
- Performs under temperature fluctuation
- Higher power and efficiency
- Optimised grid design and paste formation
- Extended battery life and cycle service
- ISO:9001 approved

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	



# 2-TLA (AGM)



The Cellyte 2TLA range provides industry-leading performance at a competitive price. With a proven 15-year battery life, the Cellyte 2TLA is engineered to the highest standards and suits all general standby applications.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

15-years in float service @ 30°C with an approved catalyst

500 cycles @ 80% DOD @ 25°C



## Capacity range

2V

50 - 3000 Ah

## Product Benefits



- Very low maintenance
- Enhanced pressure release system
- Excellent gas recombination
- Long life in operation and storage
- Wide operating temperature range
- Suited for multiple application

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	

# MP (AGM)



The Microlyte MP series is suitable for all general standby applications at the more cost-sensitive end of the market. Using valve-regulated AGM technology, the MP is spill-proof and leak-proof for extra safety.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

8 years in float service @ 25°C \*

200 cycles @ 80% DOD @ 25°C



## Capacity range

6V

1.2 - 205 Ah

12V

1.2 - 250 Ah

## Product Benefits



- increased safety
- long design and shelf life
- extremely low maintenance
- Quick charging
- Product consistency
- High energy rating

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	

# MRT (AGM)



The MRT AGM is a versatile battery suited to a wide range of applications. Crafted with high tin plates it's an energy dense battery with a long float life and renowned cycling capability.



## Product specification

Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-sealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

10-years in float service @ 25°C \*

250 cycles @ 80% DOD @ 25°C



## Capacity range

6V	9.5 - 210 Ah
12V	3 - 248 Ah

## Product Benefits



- ISO:9001 approved
- Increased safety
- Universal design and shelf life
- Highly efficient
- Excellent product consistency
- Long-lasting
- High-quality component
- low self-discharge

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	

# TLA (AGM)



The Cellyte 6/12-TLA series of powerful VRLA standby batteries are constructed with safety as a priority. A true industry workhorse, the 6/12-TLA range offers long, reliable service at a conservative price point.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-sealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

10-years in float service @ 25°C

250 cycles @ 80% DOD @ 25°C



## Capacity range

6V	117 - 205 Ah
12V	15 - 240 Ah

## Product Benefits



- ISO:9001 approved
- Increased safety
- Universal design and shelf life
- Highly efficient
- Excellent product consistency
- Long-lasting
- High-quality component
- low self-discharge

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	

# TUA (AGM)



Long lasting service for mission-critical, heavy-duty applications. The TUA offers consistent performance and rugged durability. The addition of a CatVent™ catalyst provides a low gassing, explosion-proof battery.



## Product specification

Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

12-years in float service @ 30°C with an approved catalyst

340 cycles @ 80% DOD @ 25°C



## Capacity range

6V	120 - 205 Ah
12V	16 - 244 Ah

## Product Benefits



- Long life in operation and storage
- Very low maintenance
- Patented valve system
- Wider operating temperature range
- Suited for multiple application
- ISO:9001 approved

## Product compliance



- IEC 60896-21/22-2004
- BS 6290 part 4
- UL Component Approval
- Eurobat

# FTA (AGM)



The SEC Cellyte FTA series of VRLA AGM monoblocs was designed for rack-mounted applications. These power-dense, maintenance-free, monoblocs feature heavy-duty plates to ensure reliability, safety, and optimum performance at all times.



## Product specification

Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

12-years in float service @ 30°C with an approved catalyst

250 cycles @ 80% DOD @ 25°C



## Capacity range

12V	45 - 175 Ah
-----	-------------

## Product Benefits



- Safe AGM design
- Rugged construction
- Added vented venting feature
- Extra wide temperature range
- Ideal for rack-mounted applications
- Low maintenance
- Maximum operating life
- low self-discharge

## Product compliance



- IEC 60896-21/22-2004
- BS 6290 part 4
- UL Component Approval
- Eurobat

# UPS (AGM)



The Cellyte UPS provides consistent, high-power performance at a low cost. Abuse-resistant, it boasts a long service life. The Cellyte UPS will meet both your critical power and economic needs.



## Product specification

Positive electrode:	Deep cycle Lead Calcium high Tin Aluminium grid
Negative electrode:	Standard Lead Calcium Tin Aluminium grid
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.50 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

12-years in float service @ 30°C with an approved catalyst

340 cycles @ 80% DOD @ 25°C



## Capacity range

6V	190 Ah
12V	22.3 - 152 Ah

## Product Benefits



- High power rating
- Minimum maintenance requirement
- High power efficiency
- Excellent product consistency
- Reliable under temperature fluctuation
- Abuse resistant

## Product compliance



- IEC 60896-21/22-2004
- BS 6290 part 4
- UL Component Approval
- Eurobat

# TRA (FLOODED)



The Cellyte TRA series is an OPzS flooded tubular range engineered with an excellent float life and premium cycling capabilities. Its relentless reliability



## Product specification

Positive electrode:	Tubular spine grid/low antimony/multi woven polyester sleeve
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.20 - 2.24 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.40 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Separators:	Mirco porous separator
Electrolyte:	Sulphuric acid with specific gravity 1.240



## Design life

20-years in float service @ 25°C

2000 cycles @ 80% DOD @ 25°C



## Capacity range

2V	100 - 3000 Ah
----	---------------



- Low self-discharge
- Tolerates sub-zero temperatures
- Latest plate formation technology
- Accepts high charge rate
- Requires no equalization
- Explosion proof / Increased safety
- Long life deep cycle capability



- DIN 40736-1992
- Eurobat



# TLGM (GEL)



The SEC Cellyte TLGM Gel series was engineered specifically for demanding operational environments. This range of VRLA single cell batteries offers superior cycling capability and a long service life.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



## Design life

15-years in float service @ 30°C with an approved catalyst

1300 cycles @ 80% DOD @ 25°C



## Capacity range

2V

100 - 1500 Ah



Reliable VRLA AGM design  
Fitted with CatVent™ catalyst  
Suited for vertical and horizontal rack use  
Performs under temperature fluctuation  
Higher power and efficiency  
Optimised grid design and paste formation  
Extended battery life and cycle service  
ISO:9001 approved



IEC 60896-21/22-2004  
BS 6290 part 4  
UL Component Approval  
Eurobat

# CMTG (GEL)



The Cellyte CMTG series is SEC's flagship large capacity VRLA gel range. We've combined the benefits of gel electrolyte to build a deep cycling performer with an extremely long



## Product specification

Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



## Design life

20-years in float service @ 30°C with an approved catalyst

1500 cycles @ 80% DOD @ 25°C



## Capacity range

2V

100 - 1500 Ah

## Product Benefits



Reliable VRLA AGM design  
Fitted with CatVent™ catalyst  
Suited for vertical and horizontal rack use  
Performs under temperature fluctuation  
Higher power and efficiency  
Optimised grid design and paste formation  
Extended battery life and cycle service  
ISO:9001 approved

## Product compliance



IEC 60896-21/22-2004  
BS 6290 part 4  
UL Component Approval  
Eurobat

# 2-TLG (GEL)



The Cellyte 2-TLG series is perfect for deep-cycle applications where rugged reliability is crucial. Featuring thixotropic gelled electrolyte combined with thick Lead Calcium grids. This tough monobloc boasts superior cycling capability and long service life.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



## Design life

15-years in float service @ 30°C with an approved catalyst

650 cycles @ 80% DOD @ 25°C



## Capacity range

2V

150 - 1000 Ah

## Product Benefits



- Reliable VRLA design
- Performs well under variable temperature conditions
- Well Sealed for extra safety
- High power and efficiency
- Optimised grid design and paste formation
- Extended battery life and cycle service

## Product compliance



- IEC 60896-21/22-2004
- BS 6290 part 4
- UL Component Approval
- Eurobat

# ETG (GEL)



SEC's Cellyte ETG is an OPzV VRLA tubular plate gel series that incorporates SEC CatVent technology to ensure extreme durability. The ETG is a high cycling, low-maintenance premium range for off grid sites.



## Product specification

Positive electrode:	Tubular design plate with optimised corrosion defense and creep resistant, Calcium Tin Lead alloy
Negative electrode:	Flat plate utilising Lead Calcium low gassing grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



## Design life

20-years in float service @ 30°C with an approved catalyst

1800 cycles @ 80% DOD @ 25°C



## Capacity range

2V

100 - 3000 Ah

## Product Benefits



- Extended lifetime
- High energy rating
- Absolute reliability under harsh conditions
- increased safety
- Maintenance free
- Relatively quick charging

## Product compliance



- IEC 60896-21/22-2004
- BS 6290 part 4
- UL Component Approval
- Eurobat

# TLG (GEL)



The Cellyte 6/12-TLG series is perfect for deep-cycle applications where rugged reliability is crucial. Featuring thixotropic gelled electrolyte combined with thick Lead Calcium grids. This tough monobloc boasts superior cycling capability and long service life.



## Product specification

Positive electrode:	Lead Calcium Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



## Design life

10-years in float service @ 25°C  
400 cycles @ 80% DOD @ 25°C



## Capacity range

6V 105 - 202 Ah  
12V 14.9 - 235 Ah

## Product Benefits



Reliable VRLA design  
Performs well under variable temperature conditions  
Well Sealed for extra safety  
High power and efficiency  
Optimised grid design and paste formation  
Extended battery life and cycle service

## Product compliance



IEC 60896-21/22-2004  
BS 6290 part 4  
UL Component Approval  
Eurobat

# TSG (GEL)



The TSG is a flat plate monobloc built for deep cycling applications. The Cat-Vent catalyst reduces float current and extends service life to provide a solar battery with superior cycling capability.



## Product specification

Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Sulphuric acid absorbed into AGM separator
Safety valve:	1-3 psi self-resealing
Separators:	Absorptive glass mat (AGM) separator



## Design life

12-years in float service @ 30°C with an approved catalyst  
420 cycles @ 80% DOD @ 25°C



## Capacity range

6V 105 - 202 Ah  
12V 14.9 - 235 Ah

## Product Benefits



High power rating  
Extended lifetime  
Exceptional operating costs over time  
Virtually maintenance free  
increased safety  
Excellend product consistency

## Product compliance



IEC 60896-21/22-2004  
BS 6290 part 4  
UL Component Approval  
Eurobat

# FTG (GEL)



True Gel technology meets VRLA mechanics in the Cellyte FTG Series. The result is a front terminal range with outstanding deep-cycle capability. The FTG series is perfect for hybrid telecom applications or supplementing unreliable grids.



Positive electrode:	Lead Calcium high Tin grid alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.40 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



12-years in float service @ 30°C with an approved catalyst

300 cycles @ 80% DOD @ 25°C



Capacity range

12V

40 - 175 Ah

## Product Benefits



- Advanced gel design
- Rugged construction
- Added gas venting feature
- Extra wide temperature range
- ideal for rack mounted applications
- low-maintenance
- Maximum operating life
- low self-discharge
- One-way safety valve
- Suitable for deep-cycle service

## Product compliance



IEC	60896-21/22-2004
BS	6290 part 4
UL	Component Approval
Eurobat	

# ETGB (GEL)



SEC's ETGB Gel Series is engineered to provide absolute reliability under harsh conditions. Designed with a 20-year battery life, the ETGB Gel series is the highest cycling battery on the market.



## Product specification

Positive electrode:	Tubular plate design with Lead Calcium Tin alloy
Negative electrode:	Lead Calcium grid alloy
Float voltage:	2.25 - 2.30 vpc $\pm$ 1% at 25°C
Max. charge voltage:	2.45 vpc $\pm$ 1% at 25°C
Electrolyte:	Thixotropic high purity silica Gel electrolyte
Safety valve:	1-3 psi self-resealing
Separators:	Microporous separator



Design life

20-years in float service @ 30°C with an approved catalyst

1800 cycles @ 80% DOD @ 25°C



Capacity range

12V

20 - 200 Ah

## Product Benefits



- Extended lifetime
- High energy rating
- Absolute reliability under harsh conditions
- increased safety
- Maintenance free
- Relatively quick charging

## Product compliance



IEC	60896-21/22-2004
DIN	40742-1999
BS	6290 part 4
UL	Component Approval
Eurobat	



# KP (NICAD)



The Nicacell flooded Nickel Cadmium range was crafted for extreme applications. Engineered with SEC's signature pocket plate design, these NiCad cells are guaranteed to provide optimum performance in extreme temperatures.



## Product specification

Positive electrode:	Horizontal pockets of double-perforated steel strips
Negative electrode:	Horizontal pockets of double-perforated steel strips
Float voltage:	1.43 to 1.45 vpc $\pm$ 1% at 20°C
Boost charge voltage:	1.60 to 1.65 vpc $\pm$ 1% at 20°C
Electrolyte:	Potassium Hydroxide
Vent:	Flip top flame arresting vent
Separators:	Separating grids



## Design life

20-years in float service @ 20°C  
up to 1,000 cycles @ 80% DOD @ 20°C as per IEC



## Capacity range

1.2V low rate	10 - 1200 Ah
1.2V medium rate	10 - 1000 Ah
1.2V high rate	10 - 500 Ah

## Product Benefits



- Excellent high power performance
- Extended lifetime at high temperatures
- Absolute reliability under harsh conditions
- Superb power to weight and volume ratio
- Extremely low internal resistance
- Wide operational temperature range
- Requires little to no maintenance

## Product compliance



IEC	60623:2001
EN	61373

# KG (NICAD)



Built using an advanced pocket plate design, the NiCad Avantgarde is an ultra low maintenance; long lasting and hard working battery that performs in a wide temperature range.



## Product specification

Positive electrode:	Horizontal pockets of double-perforated steel strips
Negative electrode:	Horizontal pockets of double-perforated steel strips
Float voltage:	1.43 to 1.45 vpc $\pm$ 1% at 20°C
Boost charge voltage:	1.60 to 1.65 vpc $\pm$ 1% at 20°C
Electrolyte:	Potassium Hydroxide
Vent:	Flip top flame arresting vent
Separators:	Fibre mat separator



## Design life

20-years in float service @ 20°C  
up to 1,000 cycles @ 80% DOD @ 20°C as per IEC



## Capacity range

1.2V low rate	20 - 1000 Ah
1.2V medium rate	20 - 60 Ah

## Product Benefits



- Excellent high-power rating
- Absolute reliability under harsh conditions
- Suited to vibrational and high temperature environments
- Low preventative maintenance
- No risk of thermal runaway effect
- Low internal resistance
- No ice formation at temperatures below 0°C
- Insensitive to deep discharge and misuse

## Product compliance



IEC	60623:2001
EN	61373

# ML (Lithium ion)



The Microlyte ML is renowned for its power density, light compact design and ability to withstand extreme temperatures. It's ideal for those looking for a premium, deep-cycle performer.



## Product specification

Positive electrode:	Nano-LiFePO <sub>4</sub> on Aluminum foil
Negative electrode:	Nano-Carbon on Copper foil
Max. Charge current:	0.5C for less than 180min or 0.8C for less than 120min at 25°C
Max. charge voltage:	14.6V ± 1% at 25°C
Electrolyte:	Lithium electrolyte salt LiPF <sub>6</sub> with EC:DMC:EMC solvent
Safety valve:	0.8 MPa opening pressure
Separators:	PE film



## Design life

10-years in float service @ 25°C

>2000 cycles for continuous 0.5C@  
80% DOD @ 25°C



## Capacity range

12V

24 - 200Ah

## Product Benefits



- Bluetooth Technology
- Energy dense
- Light and compact
- Excels in a wide temperature range
- Extremely low internal resistance
- Absolute reliability under harsh conditions

## Product compliance



IEC	62133-2012
UL	1642
UN	38.3

# RML (Lithium ion)



The Microlyte RML is a powerful Lithium battery purpose built for Telecom operations. Designed with Nano LiFePO<sub>4</sub> cathode materials, the RML is extremely stable, compact and robust.



## Product specification

Positive electrode:	Nano-LiFePO <sub>4</sub> on Aluminum foil
Negative electrode:	Nano-Carbon on Copper foil
Max. Charge current:	0.5C for less than 180min or 0.8C for less than 120min at 25°C
Max. charge voltage:	58.4V ± 1% at 25°C
Electrolyte:	Lithium electrolyte salt LiPF <sub>6</sub> with EC:DMC:EMC solvent
Safety valve:	0.8 MPa opening pressure
Separators:	PE film



## Design life

10-years in float service @ 25°C

>2000 cycles for continuous 0.5C@  
80% DOD @ 25°C



## Capacity range

48V

50, 75, 100 Ah

## Product Benefits



- Super compact
- Excellent stability
- Quick charging
- High consistency
- Prismatic cell design
- Absolute reliability under harsh conditions

## Product compliance



IEC	62133-2012
UL	1642
UN	38.3

# The SEC global network



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