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STANDBY POWER SOLUTIONS

BATTCON 2011

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QUALITY AND FLEXIBILITY

MIDAC is very committed in providing the market with a wide range of products, ensuring premium quality and maximum flexibility to satisfy any requirement, also engineering customized solutions.

Through the continuous-improvement program, MIDAC ensures consistent quality and service.

MIDAC'S management system is certified according to:

ISO 9001:2008, ISO/TS 16949:2009, ISO 14001:2004, BS OHSAS 18001:2007, SA 8000:2008

OPZS VLA

The range includes multi-cell batteries from 50Ah to 300Ah and 2V cells from 100Ah to 3000Ah.

ADVANTAGES

- ✓ 15+ years design life
- ✓ Up to 1500 cycles 80% DoD

SPECIFICATIONS

- ✓ Positive plates Tubular plate with lead selenium grid alloy
- ✓ Negative plates Fully enveloped flat pasted plate with lead selenium grid alloy
- ✓ Separators Microporous plastic separators
- ✓ Cell container High-strength transparent SAN (option: available in Flame Retardant UL94 V0 version)
- ✓ Cell lid Opaque gray ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Electrolyte Dilute solution of sulfuric acid SG1.240 ±0.01 at 25°C (option: different SG available on demand)
- ✓ Electrolyte reserve Maximum availability over the plates
- ✓ Terminal posts Robust design with M10 threaded insert
- ✓ Posts sealing Double sealing on HQ post finishing
- ✓ Vent caps Flame arrestor ceramic vents fully tested in compliance with UL standard (option: Flip-top version)
- ✓ Plate suspension Bottom supported with sediment space
- ✓ Inter-cell connectors Fully insulated copper
- ✓ Terminal hardware Fully insulated steel
- ✓ Terminal adaptor Solid copper plates



MOG VLA

The range includes multi-cell batteries from 50Ah to 300Ah and 2V cells from 100Ah to 2000Ah.

ADVANTAGES

- ✓ 15+ years design life
- ✓ Excellent high-rate performance

SPECIFICATIONS

- ✓ Positive plates Flat pasted plate t. 6.4 mm, with lead selenium grid alloy (cage design)
- ✓ Negative plates Flat pasted plate t. 4.9 mm, with lead selenium grid alloy (cage design)
- ✓ Separators Microporous plastic separators with fiberglass mat
- ✓ Cell container High-strength transparent SAN (option: available in Flame Retardant UL94 V0 version)
- ✓ Cell lid Opaque gray ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Electrolyte Dilute solution of sulphuric acid SG1.240 ±0.01 at 25°C
- ✓ Electrolyte reserve Maximum availability over the plates
- ✓ Terminal posts Robust design with lead-plated copper insert
- ✓ Posts sealing Double sealing on HQ post finishing
- ✓ Vent caps Flame arrestor ceramic vent fully tested in compliance with UL standard
- ✓ Plate suspension Bottom supported with sediment space
- ✓ Inter-cell connectors Copper bar + cover
- ✓ Terminal hardware Stainless Steel
- ✓ Terminal adaptor Solid copper plates



MSP VLA

The range includes 2V cells from 119Ah to 525Ah.

ADVANTAGES

- ✓ Long life under cycling use
- ✓ Up to 1500 cycles 80% DoD

SPECIFICATIONS

- ✓ Positive plates Tubular plate with lead selenium grid alloy
- ✓ Negative plates Flat pasted plate with lead selenium grid alloy (cage design)
- ✓ Separators Polyethylene separator sleeve on positive plate
- ✓ Cell container White translucent Polypropylene
- ✓ Cell lid Opaque dark-gray Polypropylene
- ✓ Electrolyte Dilute solution of sulphuric acid SG 1.260 ± 0.01 at 25°C
- ✓ Electrolyte reserve Maximum availability over the plates
- ✓ Terminal posts d.24 with M10 threaded insert
- ✓ Posts sealing Sealing bush on HQ post finishing
- ✓ Vent caps Flame arrestor ceramic vent fully tested in compliance with UL standard
- ✓ Plate suspension Bottom supported with sediment space
- ✓ Inter-cell connectors Fully insulated copper bar
- ✓ Terminal hardware Fully insulated steel



OPzV VRLA (GEL)

The range includes 2V cells from 200Ah to 3000Ah.

ADVANTAGES

- ✓ 20 years design life
- ✓ Up to 1200 cycles 80% DoD

SPECIFICATIONS

- ✓ Positive plates Tubular plate with lead-calcium-tin-aluminum grid alloy
- ✓ Negative plates Flat pasted plate with lead-calcium-tin-aluminum grid alloy (radial design)
- ✓ Separators Microporous PVC-SiO₂ separators
- ✓ Cell container High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Cell lid High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Electrolyte GEL: SiO₂ gelled sulfuric acid SG1.240
- ✓ Terminal posts Robust design with M10 threaded insert
- ✓ Posts sealing Double sealing on HQ post finishing
- ✓ Valve One way valve with integrated flame arrestor
- ✓ Plate suspension Bottom supported
- ✓ Inter-cell connectors Fully insulated copper
- ✓ Terminal hardware Fully insulated steel
- ✓ Terminal adaptor Solid copper plates



MHP VRLA (AGM - TOP TERMINALS)

The range includes multi-cell batteries from 55Ah to 160Ah and 2V cells from 200Ah to 1000Ah.

ADVANTAGES

- ✓ 12+ years design life
- ✓ High discharge performance

SPECIFICATIONS

- ✓ Positive plates Thick flat pasted plate with lead-calcium-tin-aluminum grid alloy
- ✓ Negative plates Flat pasted plate with lead-calcium-tin-aluminum grid alloy
- ✓ Separators AGM separator
- ✓ Cell container High-strength ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Cell lid High-strength ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Electrolyte Absorbed sulfuric acid SG1.290 (avg)
- ✓ Terminal posts High-conductivity terminals with threaded inserts
- ✓ Posts sealing Double sealing on HQ post finishing
- ✓ Valve High-efficiency low pressure venting system
- ✓ Plate suspension Bottom supported
- ✓ Inter-cell connectors Fully insulated copper
- ✓ Terminal hardware Stainless steel+Cover



MFT VRLA (AGM - FRONT TERMINALS)

The range includes 12V batteries from 100Ah to 175Ah.

ADVANTAGES

- ✓ 12+ years design life
- ✓ High discharge performance

SPECIFICATIONS

- ✓ Positive plates Thick flat pasted plate with lead-calcium-tin-aluminum grid alloy
- ✓ Negative plates Flat pasted plate with lead-calcium-tin-aluminum grid alloy
- ✓ Separators AGM separator
- ✓ Cell container High-strength ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Cell lid High-strength ABS (option: available in Flame Retardant UL94 V0 version)
- ✓ Electrolyte Absorbed sulfuric acid SG1.300
- ✓ Terminal posts High-conductivity terminals with threaded inserts
- ✓ Posts sealing Double sealing on HQ post finishing
- ✓ Valve High-efficiency low pressure venting system
- ✓ Plate suspension Bottom supported
- ✓ Inter-cell connectors Insulated rigid copper
- ✓ Terminal hardware Stainless steel+Cover



EW VLA

The range includes multi-cell batteries from 75Ah to 240Ah.

ADVANTAGES

- ✓ The EW range represents a good solution for various uses, like marine, camper vans, caravan, road lightning and photovoltaic installations

SPECIFICATIONS

- ✓ Multi-cell Polypropylene box
- ✓ Thick-radial design-grid, with high electrical conductivity and improved anti-corrosion characteristics, due to the use of special Pb alloys.
- ✓ Active material with specific compounds for high resistance to cycling stress.
- ✓ Microporous polyethylene separator coupled with glass mat, to ensure high

performance and complete insulation between positive and negative plates, while allowing the free flow of electrolyte throughout the cell and proper holding of the active material.

Designed for long life characteristics, the EW versions with tubular positive plates (EV6T - EW125T) are engineered for 1200 cycles.





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MIDAC SPA HEADQUARTER, SOAVE, VERONA, ITALY

The only company that produces Automotive, Motive Power and Stationary batteries in the same manufacturing plant of 646.000 ft², in less than twenty years it has become one of the leading companies in Europe and its products are sold worldwide.

MIDAC'S MANAGEMENT SYSTEM IS CERTIFIED ACCORDING TO
ISO 9001:2008, ISO/TS 16949:2009, ISO 14001:2004, BS OHSAS 18001:2007, SA 8000:2008

