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STANDBY POWER SOLUTIONS

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MIDAC SPA HEADQUARTER, SOAVE, VERONA, ITALY

Unica realtà a produrre batterie avviamento, trazione e stazionarie in un singolo stabilimento produttivo, in vent'anni è diventata una delle aziende leader in Europa con prodotti distribuiti in tutto il mondo.

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

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.

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

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OPzS VLA

Multi-cell batteries from 50Ah to 300Ah and 2V cells from 100Ah to 3000Ah.

ADVANTAGES

- ✓ 18 years Design Life
- ✓ More than 1500 deep discharge cycles
- ✓ Extended topping-up intervals
- ✓ Maximum charging efficiency
- ✓ Minimal positive growth
- ✓ Improved safety against accidental contacts

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Electrolyte reserve
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vents

- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware
- ✓ Terminal adaptor

Tubular plate with lead selenium grid alloy (Sb < 2%) and woven gauntlet
Fully enveloped flat pasted plate with lead selenium grid alloy (Sb < 2%)
Microporous plastic separators
High-strength transparent SAN (option: available in Flame Retardant PC UL94 V0 version)
Opaque gray ABS (option: available in Flame Retardant UL94 V0 version)
Dilute solution of sulfuric acid SG1.240 ±0.01 at 20°C
Maximum availability over the plates
Robust design d.30 mm with M10 threaded insert
Double sealing on HQ post finishing
Flame arrestor ceramic vents fully tested in compliance with UL standard (option: Flip-top version)
Bottom supported with sediment space
Fully insulated copper
Fully insulated steel
Solid plated copper plates



MHP VRLA (AGM - TOP TERMINALS)

Multi-cell batteries from 25Ah to 200Ah and 2V cells from 200Ah to 1500Ah.

ADVANTAGES

- ✓ EUROBAT 12+ years Design Life
- ✓ 99%+ gas recombination efficiency
- ✓ High-rate performance
- ✓ Low self-discharge rate
- ✓ Maximum charging efficiency
- ✓ 400+ cycles 80% DoD
- ✓ Easy handling
- ✓ Easy installation: vertical or horizontal

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vents
- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware

Thick flat pasted plate with lead-tin-calcium grid alloy
Flat pasted plate with lead-calcium grid alloy
Microporous AGM separator
High-strength ABS (option: available in Flame Retardant UL94 V0 version)
High-strength ABS (option: available in Flame Retardant UL94 V0 version)
Absorbed sulfuric acid
High-conductivity terminals with threaded inserts
Double sealing on HQ post finishing
High-efficiency low pressure venting system
Bottom supported
Plated copper bar + Cover
Stainless steel + Cover



MOG VLA

Multi-cell batteries from 50Ah to 300Ah and 2V cells from 100Ah to 2000Ah.

ADVANTAGES

- ✓ 15+ years Design Life
- ✓ Good deep discharge capability
- ✓ Excellent high-rate performance
- ✓ Maximum charging efficiency
- ✓ Stable float charge characteristics
- ✓ Extended topping-up intervals

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Electrolyte reserve
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vent caps

- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware

Thick flat pasted plate with lead selenium grid alloy (cage design)
Thick flat pasted plate with lead selenium grid alloy (cage design)
Microporous plastic separators with fiberglass mat
High-strength transparent SAN (option: available in Flame Retardant PC UL94 V0 version)
Opaque gray ABS (option: available in Flame Retardant ABS UL94 V0 version)
Dilute solution of sulphuric acid SG1.240 ±0.01 at 25°C
Maximum availability over the plates
Robust design d.30 mm with lead-plated copper insert
Double sealing on HQ post finishing
Flame arrestor ceramic vent fully tested in compliance with UL standard
Bottom supported with sediment space
Plated copper bar + cover
Stainless steel



MFT VRLA (AGM - FRONT TERMINALS)

Multi-cell batteries from 50Ah to 175Ah.

ADVANTAGES

- ✓ EUROBAT 12+ years Design Life
- ✓ 99%+ gas recombination efficiency
- ✓ High-rate performance
- ✓ Low self-discharge rate
- ✓ Maximum charging efficiency
- ✓ 400+ cycles 80% DoD
- ✓ Easy installation and handling
- ✓ Centralized venting system

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vents
- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware
- ✓ Terminal adaptor

Thick flat pasted plate with lead-tin-calcium grid alloy
Flat pasted plate with lead-calcium grid alloy
Microporous AGM separator
High-strength ABS (option: available in Flame Retardant UL94 V0 version)
High-strength ABS (option: available in Flame Retardant UL94 V0 version)
Absorbed sulfuric acid
High-conductivity terminals with threaded inserts
Double sealing on HQ post finishing
High-efficiency low pressure venting system
Bottom supported
Plated copper bar + cover
Stainless steel+Cover
FT



MSP VLA

2V cells from 119Ah to 525Ah.

ADVANTAGES

- ✓ Long life under cycling use
- ✓ Up to 1500 deep discharge cycles
- ✓ Extended topping-up intervals
- ✓ Maximum charging efficiency
- ✓ Minimal positive growth
- ✓ Improved safety against accidental contacts

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Electrolyte reserve
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vents

- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware

Tubular plate with lead selenium grid alloy (Sb < 2%) and woven gauntlet
Flat pasted plate with lead selenium grid alloy (Sb < 2%)
Polyethylene separator sleeve on positive plate
White translucent Polypropylene
Opaque dark-gray Polypropylene
Dilute solution of sulphuric acid SG 1.260 ± 0.01 at 25°C
Maximum availability over the plates
d24 with M10 threaded insert
Sealing bush on HQ post finishing
Flame arrestor ceramic vents fully tested in compliance with UL standard (option: Flip-top version)
Bottom supported with sediment space
Fully insulated copper
Fully insulated steel



MTM VRLA (AGM)

Multi-cell batteries from 41Ah to 231Ah.

ADVANTAGES

- ✓ 10+ years Design Life
- ✓ High-rate performance
- ✓ Maximum charging efficiency
- ✓ Easy handling
- ✓ Easy installation: vertical or horizontal

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vents
- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware

Flat pasted plate with lead-tin-calcium grid alloy (radial design)
Flat pasted plate with lead-calcium grid alloy (radial design)
Microporous AGM separator
High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
Absorbed sulfuric acid
High-conductivity terminals with threaded insert
Double sealing on HQ post finishing
One way valve with integrated flame arrestor
Bottom supported
Plated copper bar + cover
Stainless steel + cover



OPzV VRLA (GEL)

2V cells from 150Ah to 3000Ah.

ADVANTAGES

- ✓ 18 years Design Life
- ✓ Up to 1500 deep discharge cycles
- ✓ 99%+ gas recombination efficiency
- ✓ Maximum charging efficiency
- ✓ Improved safety against accidental contacts
- ✓ Easy installation: vertical or horizontal

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Cell container
- ✓ Cell lid
- ✓ Electrolyte
- ✓ Terminal posts
- ✓ Posts sealing
- ✓ Valve
- ✓ Plate suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware
- ✓ Terminal adaptor

Tubular plate with lead-tin-calcium grid alloy
Flat pasted plate with lead-calcium grid alloy (radial design)
Microporous PVC-SiO₂ separators
High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
GEL: SiO₂ gelled sulfuric acid
Robust design with M10 threaded insert
Double sealing on HQ post finishing
One way valve with integrated flame arrestor
Bottom supported
Fully insulated copper
Fully insulated steel
Solid plated copper plates



MGV VRLA (GEL)

Multi-cell batteries from 33Ah to 200Ah.

ADVANTAGES

- ✓ 12+ years Design Life
- ✓ Up to 600 deep discharge cycles
- ✓ 99%+ gas recombination efficiency
- ✓ Maximum charging efficiency
- ✓ Easy handling

SPECIFICATION

- ✓ Positive plates
- ✓ Negative plates
- ✓ Separators
- ✓ Container
- ✓ Lid
- ✓ Electrolyte
- ✓ Terminal Posts
- ✓ Posts sealing
- ✓ Vents
- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Terminal hardware

Flat pasted plate with lead-tin-calcium grid alloy (radial design)
Flat pasted plate with lead-calcium grid alloy (radial design)
Microporous PVC-SiO₂ separators
High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
High-strength opaque ABS (option: available in Flame Retardant UL94 V0 version)
GEL: SiO₂ gelled sulfuric acid
High-conductivity terminals with threaded insert
Double sealing on HQ post finishing
One way valve with integrated flame arrestor
Bottom supported
Insulated flex copper
Stainless steel + cover

