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STANDBY POWER SOLUTIONS

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+ deep discharge cycles
- √ 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



MFT VRLA (AGM - FRONT TERMINALS)

Multi-cell batteries
from 50Ah to 175Ah

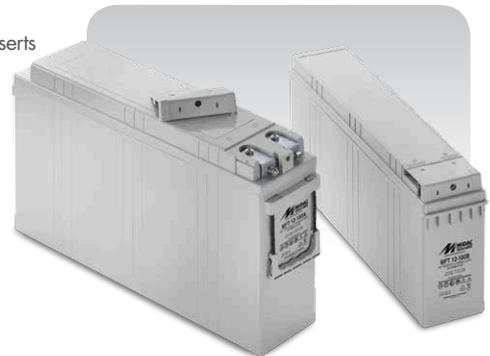
ADVANTAGES

- √ EUROBAT 12+ years Design Life
- √ 99%+ gas recombination efficiency
- √ High-rate performance
- √ Low self-discharge rate
- √ Maximum charging efficiency
- √ 400+ deep discharge cycles
- √ 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



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



OPZS VLA

2V cells
from 100Ah to 3000Ah

ADVANTAGES

- ✓ 20 years Design Life
- ✓ 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 lead plated copper plates



OPzSblock VLA

Multi-cell batteries
from 50Ah to 300Ah

ADVANTAGES

- ✓ 15+ years Design Life
- ✓ 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
- ✓ Vent caps

- ✓ Plate suspension
- ✓ Inter-cell connectors
- ✓ Inter-block connectors
- ✓ Terminal hardware

Tubular plate with lead selenium grid alloy
Fully enveloped flat pasted plate with lead selenium grid alloy
Microporous plastic separators
High-strength transparent SAN (option: available in Flame Retardant PC UL94 V0)
Opaque gray SAN (option: available in Flame Retardant ABS UL94 V0)
Dilute solution of sulfuric acid SG1.240 ±0.01 at 20°C (option: different SG available on demand)
Maximum availability over the plates
Robust design d.24mm 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
Welded lead bars with protection covers
Fully insulated flexible connector
Stainless steel with insulating caps



MOG VLA (EU VERSION)

2V cells
from 100Ah to 2000Ah

ADVANTAGES

- ✓ 20 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)
Opaque gray ABS (option: available in Flame Retardant ABS UL94 V0)
Dilute solution of sulphuric acid SG1.240 ±0.01 at 25°C
Maximum availability over the plates
Robust design d.30 mm with M10 threaded insert
Double sealing on HQ post finishing
Flame arrestor ceramic vent fully tested in compliance with UL standard (option: Flip-top version)
Bottom supported with sediment space
Fully insulated copper
Fully insulated steel



MOG VLA (US VERSION)

2V cells
from 100Ah to 2000Ah

ADVANTAGES

- ✓ 20 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)
Opaque gray ABS (option: available in Flame Retardant ABS UL94 V0)
Dilute solution of sulphuric acid
SG1.240 ±0.01 at 25°C
Maximum availability over the plates
Robust design d.30mm with lead-plated copper insert
Double sealing on HQ post finishing
Flame arrester ceramic vent fully tested
in compliance with UL standard (option: Flip-top version)
Bottom supported with sediment space
Plated copper bar + cover
Stainless steel



MOGblock VLA

Multi-cell batteries
from 50Ah to 300Ah

ADVANTAGES

- ✓ 20 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 sealing
- ✓ Vent caps
- ✓ Plates suspension
- ✓ Inter-cell connectors
- ✓ Inter-block 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)
Opaque gray SAN (option: available in Flame Retardant ABS UL94 V0)
Dilute solution of sulphuric acid
SG1.240 ±0.01 at 25°C
Maximum availability over the plates
Posts d24 with M10 threaded insert
Sealing bush on HQ post finishing
Flame arrester ceramic vent fully tested
in compliance with UL standard
(option: Flip-top version)
Bottom supported with sediment space
Fully insulated copper bar
Fully insulated flexible copper connectors
Stainless steel with insulating caps



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 arrester ceramic vents fully tested
in compliance with UL standard (option: Flip-top version)
Bottom supported with sediment space
Fully insulated copper
Fully insulated steel



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
- ✓ Container
- ✓ 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





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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.

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



MIDAC SPA SPA HEADQUARTER, SOAVE, VERONA, ITALY

Unica realtà a produrre batterie avviamento, trazione e stazionarie in un singolo stabilimento produttivo, in 25 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 25 years it has become one of the leading companies in Europe and its products are sold worldwide.

MIDAC PRODUZIONE VERDE

Midac utilizza l'energia pulita prodotta dal proprio impianto fotovoltaico per la produzione di batterie e accumulatori, evitando l'emissione di 945 tonnellate di CO₂ ogni anno.

MIDAC GREEN PRODUCTION

Midac uses clean energy produced by your photovoltaic system for the production of batteries and accumulators, avoiding the emission of 945 tons of CO₂ each year.

