

*Power You Can  
Depend On*



# MPS Series

**Valve Regulated Lead Acid**

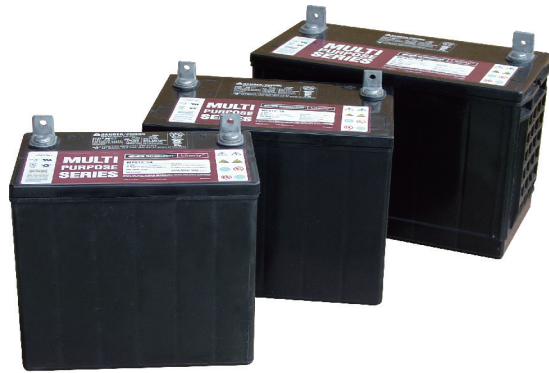
— Reliability & Best Value for Money



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# MPS Series

# MULTI PURPOSE SERIES



## Valve Regulated Lead Acid Battery For Standby Power Applications

### Applications

- Telecommunications
- General Purpose Applications
- Uninterrupted Power Supply (UPS)
- Other Float Applications

### Features

- Robust plate for extended life
- Flame-arresting one-way pressure-relief vent for safety and long life
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance
- Multicell design for economy of installation and maintenance
- Computer designed lead, low Calcium alloy grid for minimal gassing and ease of recycling
- Flame retardant polypropylene case and cover
- Not restricted for air transport - Complies with IATA/ICAO Special Provision A67
- Not restricted for surface transport - classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport - classified as non-hazardous material per IMDG Amendment 27
- Manufactured in accordance with ISO 9001, ISO 14001, and ISO 45001
- Designed to be compliant with international standard IEC 60896-21/22

### Specifications

| Model   | V   | Capacity/Ah<br>(C20,1.75V@25°C) | Dimensions mm(inch) |     |     |     | Weight/Kg | Terminal Type<br>(Bolt) |
|---|---|---------------------------------|---------------------|-----|-----|-----|-----------|-------------------------|
|   |   |                                 | L                   | W   | H   | TH  |           |                         |
| MPS 12-7  | 12  | 7                               | 151                 | 65  | 94  | 100 | 2.15      | Faston Tab 250          |
| MPS 12-9  | 12  | 9                               | 151                 | 65  | 94  | 100 | 2.4       | Faston Tab 250          |
| MPS 12-12   | 12  | 12                              | 151                 | 98  | 95  | 101 | 3.3       | Faston Tab 250          |
| MPS 12-18   | 12  | 18                              | 181                 | 76  | 163 | 166 | 5.5       | Insert (M5)             |
| MPS 12-26   | 12  | 26                              | 166                 | 175 | 123 | 125 | 7.9       | Insert (M5)             |
| MPS 12-40N  | 12  | 43                              | 197                 | 165 | 176 | 176 | 13.55     | Insert (#10-32 UNF)     |
| MPS 12-54   | 12  | 54                              | 242                 | 142 | 201 | 225 | 17.0      | L Type (M6)             |
| MPS 12-65N  | 12  | 67                              | 331                 | 166 | 171 | 174 | 21.3      | Insert (1/4-20 UNC)     |
| MPS 12-76R  | 12  | 76                              | 273                 | 174 | 201 | 224 | 23.3      | L Type (M6)             |
| MPS 12-100R   | 12  | 100                             | 319                 | 173 | 203 | 230 | 30.1      | L Type (M6)             |
| MPS 12-114  | 12  | 114                             | 341                 | 173 | 213 | 241 | 32.5      | L Type (M6)             |
| MPS 12-120  | 12  | 120                             | 341                 | 173 | 215 | 218 | 33.7      | Insert (1/4-20 UNC)     |
| MPS 12-150  | 12  | 150                             | 345                 | 173 | 275 | 278 | 44.7      | Insert (1/4-20 UNC)     |
| MPS 12-200  | 12  | 200                             | 525                 | 239 | 227 | 227 | 65.8      | Insert (M8)             |
| MPS 12-240  | 12  | 240                             | 525                 | 239 | 227 | 227 | 67.0      | Insert (M8)             |
| Operating Temperature Range with temperature compensation | Discharge: -40°F (-40°C) to +160°F (71°C)<br>Charge: -10°F (-23°C) to +140°F (60°C)   |                                 |                     |     |     |     |           |                         |
| Recommended Operating Temperature Range                   | +74°F (23°C) to +80°F (27°C)  |                                 |                     |     |     |     |           |                         |
| Floating Charging Voltage                                 | 13.65±0.15VDC per cell at 77°F (25°C) (Recommendation:13.65V per unit)  |                                 |                     |     |     |     |           |                         |
| Recommended Maximum Charging Current Limit                | C/5 amperes @ 20 hr. rate   |                                 |                     |     |     |     |           |                         |
| Equalization and Cycle Service Charging Voltage           | 14.4 to 14.8 VDC/unit Average at 77°F (25°C)  |                                 |                     |     |     |     |           |                         |
| Maximum AC Ripple (Charger)                               | 0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 5.10 amperes RMS (C/20) |                                 |                     |     |     |     |           |                         |
| Self Discharge  | MPS batteries may be stored for up to 4 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter         |                                 |                     |     |     |     |           |                         |
| Accessories (Optional)                                    | Inter unit connectors, racks and cabinet systems are available  |                                 |                     |     |     |     |           |                         |

Note: Specifications subject to change without notification.

Batteries to be mounted with 15 mm spacing minimum and free air ventilation.

Above ratings do not include interunit connector voltage drops.

The design life listed indicates the service life under ideal service conditions. Changes in service conditions do not affect the design life, but the actual service life will be shorter than the design life.



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C&D reserves the right to revise the data and information provided in this catalogue.