

# ABSOLYTE<sup>®</sup> GP



## RELAY RACK MODULES SPECIFICATIONS

# ABSOLYTE® GP

## GNB® INDUSTRIAL POWER – A LEADER IN VRLA BATTERY POWER

- Environmentally friendly positive grid alloy provides reduced hazardous material content<sup>1</sup> and allows global recycling.
- Patented Lead-Calcium-Tin-Silver positive grid alloy provides 1200 cycles to 80% D.O.D. @ 25°C (77°F), and a 20 year design life in float service @ 25°C (77°F).<sup>2</sup>
- Absorbed glass mat (AGM) separators provide >99% oxygen recombination efficiency.
- Low resistance of the glass mat improves high rate discharge performance.
- No water additions are required.

## APPLICATIONS

- Central Office
- PBX
- Microwave
- CEV-Hut
- Cellular Radio



## ADDED FEATURES & BENEFITS

- Does not require separate battery room
- Can be integrated into other equipment enclosures
- Freezing tolerant
- Deep discharge recovery
- Accepts high rate charge
- Recyclable to World Standards
- 20 year design life in float applications @ 25°C (77°F)<sup>2</sup>
- Transparent, flame retardant module cover
- Mounts into standard 19 inch and 23 inch Telecom racks
- Simple cell replacement capability
- Relay racks and base supports are available

## CELL SPECIFICATIONS

**Container and Cover** — Polypropylene is standard. Flame retardant, UL94 V-0/28% L.O.I. is optional.

**Separators** — Spun glass, microporous matrix.

**Safety Vent** — 3-10 PSI opening pressure, self-resealing.

**Terminals** — Solid copper insert.

**Positive Plate** — Patented Lead-Calcium-Tin-Silver grid alloy.

**Negative Plate** — Lead calcium grid alloy.

**Design Life** — 20 years in float service @ 25°C (77°F).<sup>2</sup>

**Self Discharge** — 0.5 to 1% per week maximum @ 25°C (77°F).

**Float Voltage** — 2.23 to 2.27 VPC (2.25 recommended) @ 25°C (77°F).

**1200 Cycles** — 80% D.O.D. @ 25°C (77°F)<sup>2</sup>

**Operating temperature** — Temperature excursions between -40°C (-40°F) to +50°C (122°F) allowed (battery performance and life will be affected)

<sup>1</sup> Compared to Absolyte IIP

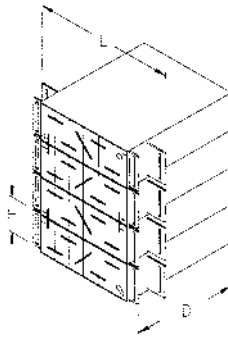
<sup>2</sup> When operated per the I&O Manual

# ABSOLYTE® GP

## Absolyte GP Relay Rack Module Weights and Dimensions

| MODULE TYPE                         | VOLTS | NOM AH CAP (8 HR) | STACKING DIMENSIONS |     |       |     |                 |     | UNPACKED WEIGHT |     | DOMESTIC PACKED WEIGHT |     | EXPORT PACKED WEIGHT |     |
|-------------------------------------|-------|-------------------|---------------------|-----|-------|-----|-----------------|-----|-----------------|-----|------------------------|-----|----------------------|-----|
|                                     |       |                   | LENGTH              |     | WIDTH |     | DEPTH OR HEIGHT |     | LBS             | KG  | LBS                    | KG  | LBS                  | KG  |
|                                     |       |                   | IN                  | MM  | IN    | MM  | IN              | MM  |                 |     |                        |     |                      |     |
| <b>19 INCH RELAY RACK MOUNTABLE</b> |       |                   |                     |     |       |     |                 |     |                 |     |                        |     |                      |     |
| 6-50G05-R19                         | 12    | 104               | 20.31               | 516 | 6.49  | 165 | 15.15           | 385 | 132             | 60  | 148                    | 68  | 192                  | 88  |
| 5-50G07-R19                         | 10    | 152               | 20.31               | 516 | 6.49  | 165 | 15.15           | 385 | 149             | 68  | 160                    | 73  | 201                  | 92  |
| 4-50G09-R19                         | 8     | 208               | 20.31               | 516 | 6.49  | 165 | 15.15           | 385 | 149             | 68  | 160                    | 73  | 203                  | 93  |
| 3-50G13-R19                         | 6     | 312               | 20.31               | 516 | 6.49  | 165 | 15.15           | 385 | 163             | 74  | 178                    | 81  | 225                  | 103 |
| 5-90G07-R19                         | 10    | 256               | 20.31               | 516 | 6.49  | 165 | 22.48           | 571 | 242             | 110 | 256                    | 117 | 304                  | 139 |
| 4-90G09-R19                         | 8     | 344               | 20.31               | 516 | 6.49  | 165 | 22.48           | 571 | 250             | 114 | 265                    | 121 | 310                  | 141 |
| 3-90G11-R19                         | 6     | 432               | 20.31               | 516 | 6.49  | 165 | 22.48           | 571 | 233             | 106 | 247                    | 113 | 292                  | 133 |
| 3-90G13-R19                         | 6     | 520               | 20.31               | 516 | 6.49  | 165 | 22.48           | 571 | 266             | 121 | 283                    | 129 | 337                  | 154 |
| 2-90G15-R19                         | 4     | 608               | 20.31               | 516 | 6.49  | 165 | 22.48           | 571 | 215             | 98  | 230                    | 105 | 278                  | 127 |
| <b>23 INCH RELAY RACK MOUNTABLE</b> |       |                   |                     |     |       |     |                 |     |                 |     |                        |     |                      |     |
| 6-50G05-R23                         | 12    | 104               | 24.31               | 618 | 6.49  | 165 | 15.15           | 385 | 132             | 60  | 148                    | 67  | 192                  | 87  |
| 6-50G07-R23                         | 12    | 152               | 24.31               | 618 | 6.49  | 165 | 15.15           | 385 | 174             | 79  | 184                    | 84  | 226                  | 103 |
| 5-50G09-R23                         | 10    | 208               | 24.31               | 618 | 6.49  | 165 | 15.15           | 385 | 181             | 83  | 192                    | 87  | 235                  | 107 |
| 4-50G13-R23                         | 8     | 312               | 24.31               | 618 | 6.49  | 165 | 15.15           | 385 | 208             | 95  | 223                    | 101 | 270                  | 123 |
| 6-90G07-R23                         | 12    | 256               | 24.31               | 618 | 6.49  | 165 | 22.48           | 571 | 282             | 128 | 296                    | 135 | 344                  | 156 |
| 5-90G09-R23                         | 10    | 344               | 24.31               | 618 | 6.49  | 165 | 22.48           | 571 | 301             | 137 | 316                    | 144 | 361                  | 165 |
| 4-90G11-R23                         | 8     | 432               | 24.31               | 618 | 6.49  | 165 | 22.48           | 571 | 295             | 134 | 309                    | 140 | 354                  | 161 |
| 4-90G13-R23                         | 8     | 520               | 24.31               | 618 | 6.49  | 165 | 22.48           | 571 | 339             | 154 | 356                    | 162 | 410                  | 186 |
| 3-90G15-R23                         | 6     | 608               | 24.31               | 618 | 6.49  | 165 | 22.48           | 571 | 299             | 136 | 314                    | 143 | 362                  | 165 |

\*Includes 77mm (3") additional for module cover assembly



For additional performance data, refer to Section 26.10

Amperes to 1.75 Final Volts Per Cell @25°C (77°F)

| CELL TYPE  | HOURS |     |    |    |    |    |     |     |     |     |     |
|------------|-------|-----|----|----|----|----|-----|-----|-----|-----|-----|
|            | 24    | 12  | 10 | 8  | 7  | 6  | 5   | 4   | 3   | 2   | 1   |
| <b>50G</b> |       |     |    |    |    |    |     |     |     |     |     |
| 50G05      | 5.1   | 9.3 | 11 | 13 | 14 | 16 | 18  | 22  | 27  | 37  | 58  |
| 50G07      | 7.7   | 14  | 16 | 19 | 22 | 24 | 28  | 33  | 41  | 56  | 87  |
| 50G09      | 10    | 18  | 22 | 26 | 29 | 33 | 37  | 44  | 55  | 75  | 116 |
| 50G13      | 15    | 28  | 33 | 39 | 44 | 49 | 56  | 67  | 83  | 112 | 175 |
| <b>90G</b> |       |     |    |    |    |    |     |     |     |     |     |
| 90G07      | 12    | 23  | 27 | 32 | 36 | 41 | 47  | 55  | 69  | 93  | 151 |
| 90G09      | 17    | 31  | 36 | 43 | 48 | 54 | 63  | 74  | 92  | 124 | 201 |
| 90G11      | 21    | 39  | 46 | 54 | 60 | 68 | 78  | 93  | 115 | 155 | 251 |
| 90G13      | 25    | 47  | 55 | 65 | 73 | 82 | 94  | 111 | 138 | 186 | 302 |
| 90G15      | 30    | 55  | 64 | 76 | 85 | 96 | 110 | 130 | 162 | 217 | 352 |

NOTE: Design and/or specifications subject to change without notice. If questions arise, contact your local GNB sales representative for clarification. Rates shown assume connectors that are properly sized.

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# GNB Industrial Power – The Industry Leader.



GNB Industrial Power, a division of Exide Technologies, is a global leader in network power applications including communication/data networks, UPS systems for computers and control systems, electrical power generation and distribution systems, as well as a wide range of other industrial standby power applications. With a strong manufacturing base in both North America and Europe and a truly global reach (operations in more than 80 countries) in sales and service, GNB Industrial Power is best positioned to satisfy your back up power needs locally as well as all over the world.

Based on over 100 years of technological innovation the Network Power group leads the industry with the most recognized global brands such as ABSOLYTE®, GNB® FLOODED CLASSIC®, MARATHON®, ONYX™, RELAY GEL®, SONNENSCHNEIN®, and SPRINTER®. They have come to symbolize quality, reliability, performance and excellence in all the markets served.

GNB Industrial Power takes pride in its commitment to a better environment. Its Total Battery Management program, an integrated approach to manufacturing, distributing and recycling of lead acid batteries, has been developed to ensure a safe and responsible life cycle for all of its products.

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**SECTION 26.13 2012-03**

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