

MODEL **27-AGM**  
 VOLTAGE **12**  
 CAPACITY **89Ah @ 20Hr**  
 MATERIAL **Polypropylene**  
 BATTERY **VRLA AGM / Non-Spillable / Maintenance-Free**  
 COLOR **Maroon**  
 WATERING **No Watering Required**



**12 VOLT**

**PHYSICAL SPECIFICATIONS**

| BCI | MODEL NAME | TERMINAL TYPE <sup>6</sup> | DIMENSIONS <sup>9</sup> INCHES (mm) |            |                     | WEIGHT <sup>11</sup> LBS. (kg) | HANDLES       | INSTALLATION ORIENTATION |
|-----|------------|----------------------------|-------------------------------------|------------|---------------------|--------------------------------|---------------|--------------------------|
|     |            |                            | LENGTH                              | WIDTH      | HEIGHT <sup>F</sup> |                                |               |                          |
| 27  | 27-AGM     | 6                          |                                     |            |                     | 64 (29)                        | Plastic Strap | Horizontal and Vertical  |
|     |            |                            | 12.05 (306)                         | 6.84 (174) | 9.32 (237)          |                                |               |                          |

**ELECTRICAL SPECIFICATIONS**

| VOLTAGE | CAPACITY <sup>A</sup> MINUTES | CRANKING PERFORMANCE     |                         | CAPACITY <sup>8</sup> AMP-HOURS (Ah) |       |       |        | ENERGY (kWh) | INTERNAL RESISTANCE (mΩ) | SHORT CIRCUIT CURRENT (amps) |
|---------|-------------------------------|--------------------------|-------------------------|--------------------------------------|-------|-------|--------|--------------|--------------------------|------------------------------|
|         |                               | C.C.A. <sup>D</sup> @0°F | C.A. <sup>E</sup> @32°F | 5-Hr                                 | 10-Hr | 20-Hr | 100-Hr |              |                          |                              |
| 12      | @ 25 Amps                     |                          |                         |                                      |       |       |        |              | -                        | -                            |
|         | 158                           | 550                      | 660                     | 77                                   | 82    | 89    | 99     | 1.19         |                          |                              |

**CHARGING INSTRUCTIONS**

| CHARGER VOLTAGE SETTINGS (AT 77°F/25°C) |                        |       |       |       |
|---|------------------------|-------|-------|-------|
| SYSTEM VOLTAGE                          | 12V                    | 24V   | 36V   | 48V   |
| Maximum Charge Current (A)              | 20% of C <sub>20</sub> |       |       |       |
| Absorption Voltage (2.40 V/cell)        | 14.40                  | 28.80 | 43.20 | 57.60 |
| Float Voltage (2.25 V/cell)             | 13.50                  | 27.00 | 40.50 | 54.00 |

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

**CHARGING TEMPERATURE COMPENSATION**

| ADD   | SUBTRACT  |
|---|---|
| 0.005 volt per cell for every 1°C below 25°C<br>0.0028 volt per cell for every 1°F below 77°F | 0.005 volt per cell for every 1°C above 25°C<br>0.0028 volt per cell for every 1°F above 77°F |

**OPERATIONAL DATA**

| OPERATING TEMPERATURE   | SELF DISCHARGE   |
|---|--|
| -4°F to 122°F (-20°C to +50°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%. | Less than 3% per month depending on storage temperature conditions |

**RECYCLE RESPONSIBLY**



**STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE**

| PERCENTAGE CHARGE | CELL | 12 VOLT |
|-------------------|------|---------|
| 100               | 2.14 | 12.84   |
| 75                | 2.09 | 12.54   |
| 50                | 2.04 | 12.24   |
| 25                | 1.99 | 11.94   |
| 0                 | 1.94 | 11.64   |

