



## HC105

## Nominal Technical Specifications

HC series is especially used for engine starting, which requires superior cranking performance at lower temperatures, for high current discharge.

## Nominal Capacity

|              |               |
|--------------|---------------|
| 20 Hour Rate | <b>105 AH</b> |
|--------------|---------------|

## Reserve Capacity

|                 |                |                 |               |
|-----------------|----------------|-----------------|---------------|
| Reserve@25 Amps | <b>242 Min</b> | Reserve@75 Amps | <b>50 Min</b> |
|-----------------|----------------|-----------------|---------------|

## Electrical Specifications

|                       |                       |
|-----------------------|-----------------------|
| Nominal Voltage       | <b>12 Volt</b>        |
| C20                   | <b>105 AH</b>         |
| C5                    | <b>90 AH</b>          |
| CCA                   | <b>1050 A</b>         |
| CA or MCA             | <b>1300A</b>          |
| HCA                   | <b>1505 A</b>         |
| PHCA                  | <b>2150 A</b>         |
| Short Circuit Current | <b>5000 A</b>         |
| Internal Resistance   | <b>2.2 mΩ</b>         |
| Self-Discharge@25°C   | <b>≤ 3% per month</b> |

## Mechanical Specifications

|                    |                                                  |                  |
|--------------------|--------------------------------------------------|------------------|
| Group Size         | <b>30H</b>                                       |                  |
| Terminal Type      | <b>M8</b>                                        |                  |
| Terminal Torque    | <b>62~80 in-lbs.</b>                             |                  |
| Height(w/terminal) | <b>220 mm</b>                                    | <b>8.66"</b>     |
| Height(case only)  | <b>214 mm</b>                                    | <b>8.43"</b>     |
| Width              | <b>172 mm</b>                                    | <b>6.77"</b>     |
| Length             | <b>330 mm</b>                                    | <b>12.99"</b>    |
| Weight             | <b>34.0 Kg</b>                                   | <b>74.96 lbs</b> |
| Case Type          | <b>ABS Plastic- Flame Res.</b><br>Rating UL94-HB |                  |

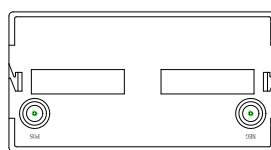
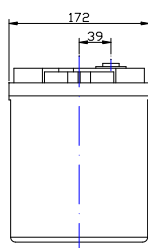
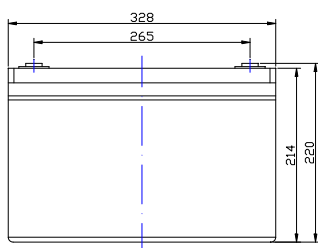
## Operational Data

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| <b>Operating Temperature</b> | <b>-4°F to 122°F (-20°C to +50°C).</b>                                        |
|                              | At temperatures below 32°F (0°C) maintain a state of charge greater than 60%. |

## Charging Instructions

|                                   |                        |
|-----------------------------------|------------------------|
| <b>Maximum Charge Current (A)</b> | 25% of C <sub>20</sub> |
| <b>Absorption Voltage</b>         | 14.4V-14.7V            |
| <b>Float Voltage</b>              | 13.5V-13.8V            |

## PHYSICAL CHARACTERISTICS



## Terminal

unit:mm

