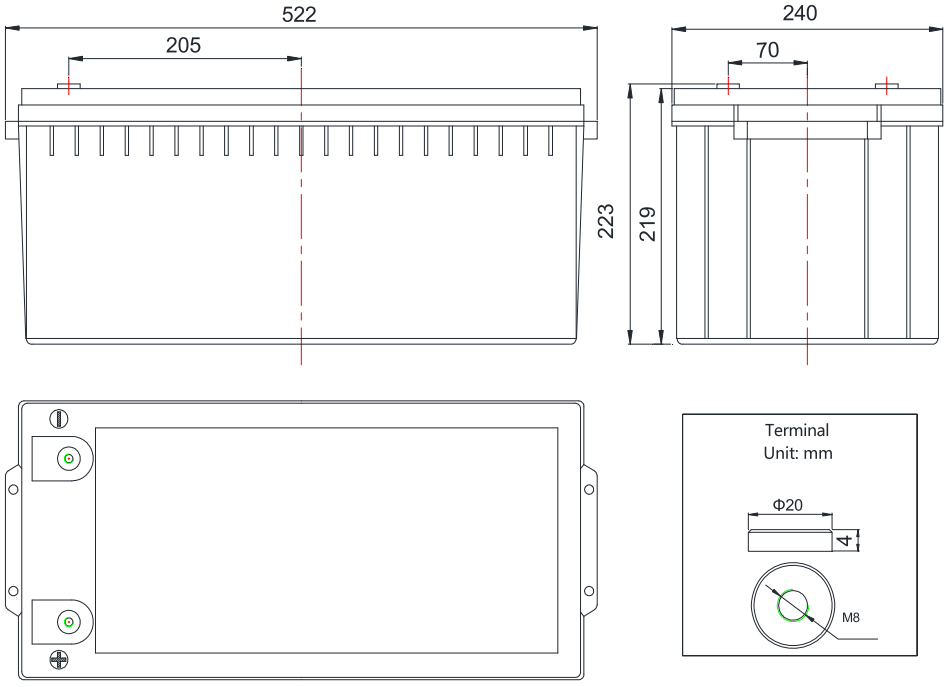
# HUB CARBON

The HC series lead-carbon batteries use activated carbon and graphene in the manufacturing process. Our advantages include long cycle life and significantly reduced battery sulfation. The battery technology improves the ability of rapid charge and discharge and greatly prolongs battery life with more than 2000 cycles at 80 % DOD. The HC series are best suited for cycling and partial state of charge (PSOC) applications.

## TECHNICAL DRAWING




## LEAD CARBON BATTERY

HC12-200

## BENEFITS AND ADVANTAGES

### Start at the Core

- Able to operate at -40C to +60C
- DOD @ 50%, 3000 cycles
- Integrated design to ensure the best uniformity and reliability
- Long life and high stability in partial state of charge (PSOC)
- IEC 60896

## APPLICATIONS

- Off Grid Cabins & Homes
- Marine / RV
- Hybrid Solar & Grid Tie
- Wheel Chairs, Golf Carts
- Telecom Systems
- Off-Grid Industrial
- Micro Grid Systems


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**Phone: 604-420-7737**
**e-mail: sales@hubpower.ca**

# ELECTRICAL SPECIFICATIONS

| | |
|---|---|
| Nominal Voltage | 12V |
| Amp Hour Capacity C 20 | 200AH |
| Amp Hour Capacity C 48 | 205.33 |
| Amp Hour Capacity C 72 | 210.67 |
| Amp Hour Capacity C 100 | 216.00 |
| Amp Hour Capacity C 120 | 221.80 |
| Amp Hour Capacity C 240 | 227.60 |

# TEMPERATURE SPECIFICATIONS

| Cold temperature applications | |
|---|---|
| Discharge Temperature | (-40C) |
| Charge Temperature | (-40C) |
| Storage | -40C to 45C |

# CHARGE SPECIFICATIONS

| | |
|---|---|
| Recommend Charge current | 20A |
| Max Charge current | 50A |
| Bulk Charge V | 14.6 |
| Absorption V | 14.6 |
| Float V | 13.7 |
| Equalization V ≤ 50A | 14.9 |

# DISCHARGE SPECIFICATIONS

| Current Discharge Rates | |
|---|---|
| 20 hour rate | 10.00A |
| 10 hour rate | 18.56A |
| 5 hour rate | 34.40A |
| 1 hour rate | 120.30A |

# MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Dimensions<br>L x W x H | 20.5 x 9.4 x 8.7in<br>522 x 240 x 223 mm |
| Weight | 145lbs (65.8KG) |
| Terminal Type | M8 |
| Terminal Torque | 90 in lbs (10NM) |
| Case Material | ABS |
| Case IP Rating | IP56 |
| Cell Type - Chemistry | Lead Carbon VRLA |
| Cell Type | Flat Plate |

# SAFETY TESTED

| | |
|---|---|
| Safety Ratings | IEC60896<br>CE |

# PERFORMANCE CHARACTERISTICS

