

# Cat<sup>®</sup> Batteries



## Cat<sup>®</sup> Batteries—Greater Starting Power— Lower Maintenance—Longer Life

Cat<sup>®</sup> Premium High Output (PHO) batteries are used in all Cat<sup>®</sup> Machines and Engine Gen-Sets. They are designed to meet stringent Caterpillar design specifications, which provide industry leading cold cranking amps (CCA) capability and maximum vibration resistance.

Maintenance Free or low maintenance designs are available in wet and dry configurations.

General Service Line batteries are available in Maintenance Free or low maintenance designs. Wide selections of BCI group sizes are available for automotive, light truck, bus, industrial, agricultural, marine, recreational and valve regulated (VRLA-AGM & Gel) applications.



World's Toughest Batteries



Premium High Output—Maximum Vibration Resistance

- Vibration Resistance...five times the Industry Standard
- Exclusive “flat top” BCI group 4D & 8D batteries are Maintenance Free and have the industries highest cold cranking amps (CCA)
- Popular BCI group 31 Maintenance Free batteries with industry leading cold cranking amps...up to 1000 (CCA), for electric power, machine or on-highway truck and bus applications. Deep cycle models are available for truck, marine or recreational usage

Specifications for Cat Premium High Output Batteries-Available Worldwide

| BCI Group Size | Part No.   | CCA ≈ | RC Mins † | Volts | Amp Hr. Capacity @ 20 Hrs. | Construction Notes | Accessibility - Fluid Level Check Hours | BCI Overall Dimensions |                   |                | Nominal Weight |             | Nominal Acid to Fill Qt (liter) |
|----------------|------------|-------|-----------|-------|----------------------------|--------------------|---|------------------------|-------------------|----------------|----------------|-------------|---------------------------------|
|                |            |       |           |       |                            |                    |   | Length In (mm)         | Width In (mm)(mm) | Height In (mm) | Wet Lb (kg)    | Dry Lb (kg) |                                 |
| 8D             | 153-5720   | 1500  | 465       | 12    | 210                        | C/MFA              | A - 1000                                | 20.5 (520)             | 10.8 (275)        | 9.8 (248)      | 132 (59.9)     | -           | -                               |
| 8D             | 101-4000   | 1400  | 400       | 12    | 190                        | LAC+               | A - 1000                                | 20.8 (527)             | 11.0 (278)        | 9.8 (248)      | 132 (59.9)     | 86 (39.0)   | 18.0 (17.0)                     |
| 4D             | 153-5710   | 1400  | 425       | 12    | 200                        | C/MFA              | A - 1000                                | 20.5 (520)             | 8.6 (218)         | 9.8 (248)      | 119 (54.0)     | -           | -                               |
| 4D             | 9X-9730    | 1300  | 400       | 12    | 190                        | LAC+               | A - 1000                                | 20.8 (527)             | 8.6 (218)         | 9.8 (248)      | 120 (54.0)     | 81 (36.8)   | 14.8 (14.0)                     |
| 4D             | 153-5700   | 1125  | 305       | 12    | 145                        | C/MFA              | A - 1000                                | 20.5 (520)             | 8.6 (218)         | 9.8 (248)      | 101 (45.8)     | -           | -                               |
| 4D             | 9X-9720    | 1000  | 275       | 12    | 140                        | LAC+               | A - 1000                                | 20.8 (527)             | 8.6 (218)         | 9.8 (248)      | 102 (45.8)     | 59 (26.8)   | 15.9 (15.0)                     |
| 31             | 175-4390   | 1000  | 180       | 12    | 90                         | C/MFA/S            | A - 1000                                | 12.9 (329)             | 6.8 (172)         | 9.3 (236)      | 60 (27.2)      | -           | -                               |
| 31             | 175-4370   | 825   | 190       | 12    | 100                        | C/MFA/S**          | A - 1000                                | 12.9 (329)             | 6.8 (172)         | 9.3 (236)      | 61 (27.2)      | -           | -                               |
| 31             | 175-4360   | 710   | 185       | 12    | 100                        | C/MFA/S***         | A - 1000                                | 12.9 (329)             | 6.8 (172)         | 9.3 (236)      | 62 (28.1)      | -           | -                               |
| 31/30H         | 115-2422   | 1000  | 170       | 12    | 90                         | C/MFA              | A - 1000                                | 12.9 (329)             | 6.8 (172)         | 9.5 (241)      | 63 (28.6)      | -           | -                               |
| 31/30H         | 115-2421   | 950   | 170       | 12    | 90                         | C/MFA+             | A - 1000                                | 12.9 (329)             | 6.8 (172)         | 9.5 (241)      | 64 (29.1)      | 44 (20.0)   | 6.6 (6.2)                       |
| 31/30H         | 9X-3404(1) | 950   | 165       | 12    | 95/100                     | C/MF               | NA                                      | 13.0 (331)             | 6.8 (172)         | 9.5 (241)      | 58 (26.3)      | -           | -                               |
| 31/30H         | 3T-5760    | 750   | 165       | 12    | 95/100                     | C/MF               | AV - 1000                               | 13.0 (331)             | 6.8 (172)         | 9.5 (241)      | 56 (25.4)      | -           | -                               |
| 65             | 230-6368   | 850   | 140       | 12    | 70                         | C/MF               | NA                                      | 11.9 (304)             | 7.5 (191)         | 7.5 (191)      | 46 (20.9)      | -           | -                               |
| 24             | 153-5656   | 650   | 110       | 12    | 52                         | C/MF               | NA                                      | 11.0 (279)             | 6.9 (174)         | 9.0 (229)      | 39 (17.7)      | -           | -                               |

**Construction Notes:**  
 Batteries use SAE taper post design and are shipped wet except as:

LAC = Low Maintenance - Hybrid Construction  
 C = Calcium Lead Alloy Grid Design  
 MF = Maintenance Free Non-Accessible  
 MFA = Maintenance Free Accessible  
 A = Accessible  
 NA = Non-Accessible  
 AV = Accessibility Varies - Accessibility varies depending on supplier used. If it has caps, it is accessible and fluid levels should be checked.  
 S = Stud Terminals  
 + = Shipped Dry Only  
 \* = Side Terminals Only  
 \*\* = Starting and Deep Cycle Battery  
 \*\*\* = Deep Cycle and Starting Battery  
 ≈ = Cold Cranking Amps for 30 seconds at 0° F (-18° C)  
 † = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)  
 SDT  
 1 = Available in EAME and China only



Quality Batteries for a Wide Range of Applications

Ideal for Automotive, Light Truck, Bus, Marine, Industrial, Agricultural, Stationary Power and Recreational Usage.

- Maintenance Free and low maintenance...accessible or sealed
- Deep Cycle and Valve Regulated (VRLA) Gelled or Absorbed Glass Mat (AGM) batteries
- Hefty full frame grids, no sharp edges. Optimum acid/paste combination provides better charge acceptance after deep discharge
- Commercial batteries have Anchor Lock elements for vibration resistance
- Flame Arrestor Safety Vents to direct corrosive gases away from the battery and hold-downs

Wet Batteries

| BCI Group Size                       | Part No. | CCA ≈ | RC Mins † | Volts | Amp Hr. Capacity @ 20 Hrs. | Construction Notes | BCI Overall Dimensions |               |                | Nominal Weight |             |
|--------------------------------------|----------|-------|-----------|-------|----------------------------|--------------------|------------------------|---------------|----------------|----------------|-------------|
|                                      |          |       |           |       |                            |                    | Length In (mm)         | Width In (mm) | Height In (mm) | Wet Lb (kg)    | Dry Lb (kg) |
| <b>Truck/Agricultural/Industrial</b> |          |       |           |       |                            |                    |                        |               |                |                |             |
| 1                                    | 8C-3617  | 640   | 130       | 6     | 100                        | C/MF               | 9.0 (229)              | 6.9 (175)     | 8.8 (222)      | 30 (13.6)      | -           |
| 2                                    | 8C-3629  | 660   | 185       | 6     | 90                         | LA                 | 10.4 (264)             | 6.9 (175)     | 8.8 (222)      | 36.5 (16.6)    | -           |
| 3EE                                  | 8C-3620  | 400   | 95        | 12    | 54                         | LA                 | 19.3 (489)             | 4.3 (108)     | 9.0 (229)      | 42 (19.1)      | -           |
| 3EH                                  | 8C-3632  | 875   | 250       | 6     | 115                        | LA                 | 19.3 (489)             | 4.3 (108)     | 10.0 (254)     | 47.5 (21.5)    | -           |
| 4                                    | 8C-3633  | 975   | 250       | 6     | 125                        | C/MF               | 12.5 (318)             | 6.9 (175)     | 9.5 (241)      | 47 (21.3)      | -           |
| 4DLT                                 | 8C-3622  | 850   | 240       | 12    | 100                        | LA                 | 20.0 (508)             | 8.1 (206)     | 8.1 (206)      | 80 (36.3)      | -           |
| 8D                                   | 8C-3624  | 1400  | 430       | 12    | 190                        | LA                 | 20.8 (527)             | 11.0 (279)    | 10.0 (254)     | 130 (59.0)     | -           |
| 24F                                  | 3T-5858  | 675   | 115       | 12    | 55                         | C/MF               | 10.8 (273)             | 6.8 (171)     | 9.0 (229)      | 40 (18.1)      | -           |
| 27                                   | 8C-3601  | 710   | 120       | 12    | 65                         | C/MF               | 12.0 (305)             | 6.8 (171)     | 9.0 (229)      | 45.5 (20.6)    | -           |
| 27F                                  | 8C-3602  | 710   | 120       | 12    | 65                         | C/MF               | 12.4 (314)             | 6.8 (171)     | 9.0 (229)      | 45.5 (20.6)    | -           |
| 31                                   | 8C-3628  | 760   | 170       | 12    | 80                         | C/MF/S             | 13.0 (330)             | 6.8 (171)     | 9.5 (241)      | 54.5 (24.7)    | -           |
| 31                                   | 430-5996 | 1000  | 190       | 12    | 100                        | C/MF               | 13.0 (330)             | 6.8 (171)     | 9.5 (241)      | 58 (26.3)      | -           |
| C11(DIN)                             | 369-9955 | 270   | 43        | 12    | 30                         | C                  | 7.36 (187)             | 5.04 (128)    | 6.50 (165)     | 17.86 (8.1)    | -           |
| T4 (DIN)                             | 356-6211 | 380   | 66        | 12    | 44                         | C                  | 8.27 (210)             | 6.89 (175)    | 6.89 (175)     | 16.09 (7.3)    | -           |

Bus - Special Terminal

|    |          |      |     |    |     |        |            |            |            |            |   |
|----|----------|------|-----|----|-----|--------|------------|------------|------------|------------|---|
| 8D | 250-0473 | 1400 | 430 | 12 | 190 | LAC/TB | 20.8 (527) | 11.0 (279) | 10.0 (254) | 130 (59.0) | - |
|----|----------|------|-----|----|-----|--------|------------|------------|------------|------------|---|

Automotive/Light Truck & SUV

|          |          |     |     |    |     |         |            |           |             |             |   |
|----------|----------|-----|-----|----|-----|---------|------------|-----------|-------------|-------------|---|
| 22F      | 3T-5859  | 425 | 65  | 12 | 35  | C/MF    | 9.4 (238)  | 6.8 (171) | 8.3 (210)   | 29.5 (13.4) | - |
| 24       | 3T-5857  | 675 | 115 | 12 | 55  | C/MF    | 10.8 (273) | 6.8 (171) | 9.0 (229)   | 40 (18.1)   | - |
| 25       | 250-0488 | 625 | 95  | 12 | 45  | C/MF    | 9.8 (248)  | 6.9 (175) | 8.9 (225)   | 35.5 (16.1) | - |
| 26       | 8C-3600  | 540 | 80  | 12 | 45  | C/MF    | 8.8 (222)  | 6.8 (171) | 8.0 (203)   | 29.5 (13.4) | - |
| 26R      | 369-9958 | 540 | 80  | 12 | 45  | C/MF    | 8.8 (222)  | 6.8 (171) | 8.0 (203)   | 29.5 (13.4) | - |
| 34/78    | 250-0486 | 690 | 110 | 12 | 60  | C/MF/DT | 10.8 (273) | 6.8 (171) | 8.0 (203) † | 36.5 (16.6) | - |
| 35       | 250-0487 | 625 | 95  | 12 | 45  | C/MF    | 9.8 (248)  | 6.9 (175) | 8.9 (225)   | 35.5 (16.1) | - |
| 41       | 8C-3605  | 650 | 100 | 12 | 64  | C/MF    | 11.6 (293) | 6.9 (175) | 6.9 (175)   | 38 (17.2)   | - |
| 42       | 250-0490 | 475 | 70  | 12 | 40  | C/MF    | 9.6 (242)  | 6.9 (175) | 6.9 (175)   | 29 (13.2)   | - |
| 48       | 430-5993 | 730 | 120 | 12 | 65  | C/MF    | 11.0 (278) | 6.9 (175) | 7.5 (190)   | 42 (19.1)   | - |
| 49       | 307-0751 | 900 | 185 | 12 | 100 | C/MF    | 14.0 (354) | 6.9 (175) | 7.5 (190)   | 54.5 (24.7) | - |
| 55/56/62 | 8C-3611  | 570 | 90  | 12 | 52  | C/MF/DT | 8.8 (222)  | 6.0 (152) | 8.50 (216)  | 32 (14.5)   | - |
| 58       | 8C-3612  | 580 | 85  | 12 | 53  | C/MF    | 10.0 (254) | 7.3 (184) | 7.0 (178)   | 31.5 (14.3) | - |
| 65       | 250-0484 | 675 | 130 | 12 | 55  | C/MF    | 12.0 (305) | 7.4 (187) | 7.7 (194)   | 41 (18.6)   | - |
| 75       | 7X-6100  | 690 | 90  | 12 | 60  | C/MF *  | 9.8 (248)  | 7.0 (178) | 7.3 (184)   | 34.5 (15.6) | - |
| 75/86    | 250-0489 | 540 | 85  | 12 | 47  | C/MF/DT | 9.8 (248)  | 7.0 (178) | 8.1 (206) † | 32 (14.5)   | - |
| 78       | 369-9957 | 690 | 110 | 12 | 58  | C       | 10.8 (273) | 6.9 (175) | 7.3 (184)   | 36.5 (16.6) | - |
| 90       | 430-6000 | 600 | 90  | 12 | 40  | C/MF    | 9.5 (242)  | 6.9 (175) | 6.9 (175)   | 32.5 (14.7) | - |
| 91       | 430-6001 | 700 | 100 | 12 | 50  | C/MF    | 11.0 (278) | 6.9 (175) | 6.9 (175)   | 38.5 (17.5) | - |
| 92       | 430-6002 | 650 | 130 | 12 | 70  | C/MF    | 12.5 (317) | 6.9 (175) | 6.9 (175)   | 37 (16.8)   | - |
| 93       | 430-6003 | 800 | 130 | 12 | 80  | C/MF    | 14.0 (354) | 6.9 (175) | 6.9 (175)   | 46.5 (21.1) | - |
| 94R      | 430-6005 | 765 | 135 | 12 | 80  | C/MF    | 12.4 (315) | 6.9 (175) | 7.5 (190)   | 47.5 (21.6) | - |
| 95R      | 430-6006 | 850 | 190 | 12 | 100 | C/MF    | 15.5 (394) | 6.9 (175) | 7.5 (190)   | 62.5 (28.4) | - |
| 96R      | 430-6007 | 600 | 90  | 12 | 40  | C/MF    | 9.6 (242)  | 6.9 (175) | 6.9 (175)   | 32.5 (14.8) | - |
| 97R      | 430-6008 | 600 | 95  | 12 | 60  | C/MF    | 9.6 (242)  | 6.9 (175) | 7.5 (190)   | 37.5 (17.0) | - |
| 101      | 430-6009 | 650 | 110 | 12 | -   | C/MF/ * | 10.3 (260) | 7.1 (179) | 6.7 (170)   | 36 (16.3)   | - |
| 121R     | 430-6010 | 540 | 80  | 12 | 50  | C/MF    | 8.3 (210)  | 7.0 (177) | 8.1 (206)   | 30 (13.6)   | - |
| 124R     | 430-6011 | 670 | 100 | 12 | 60  | C/MF    | 10.3 (260) | 6.9 (175) | 8.4 (212)   | 38 (17.2)   | - |
| 151R     | 430-6012 | 335 | 55  | 12 | -   | C/MF    | 7.24 (184) | 5.0 (125) | 8.8 (222)   | 19 (8.6)    | - |

**Construction Notes:**  
 Batteries use SAE taper post design and are shipped wet except as:

LA = Low Maintenance - Low Antimony Grids  
 LAC = Low Maintenance - Hybrid Construction  
 C = Calcium Lead Alloy Grid Design  
 MF = Maintenance Free Non-Accessible  
 MFA = Maintenance Free Accessible  
 S = Stud Terminals  
 DT = Dual Terminal  
 TB = Transit Bus one piece end terminal. Right end of battery. Positive Stud: 1/2"-13 steel, Negative Stud: 3/8" -16 steel  
 OP = Offset Post with Horizontal Hole Stainless Steel 5/16" Bolt & Hex Nut

\* = Side Terminals  
 ≈ = Cold Cranking Amps for 30 seconds at 0° F (-18° C)  
 † = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)  
 † = For height with removable adapter, add 7/8" (22mm)  
 @ = Deep Cycle - Antimony Grids  
 ~ = Marine Starting  
 + = Shipped Dry Only  
 § = 75 amps @ 80° F  
 # = Wing nut for 8C-3638 & 8C-3639 is part number 3B-0723

# Cat® General Service Batteries—Available Worldwide

## Wet Batteries Continued

| BCI Group Size                      | Part No. | CCA ≈ | RC Mins † | Volts | Amp Hr. Capacity @ 20 Hrs. | Construction Notes | BCI Overall Dimensions |               |                | Nominal Weight Wet Lb (kg) |
|-------------------------------------|----------|-------|-----------|-------|----------------------------|--------------------|------------------------|---------------|----------------|----------------------------|
|                                     |          |       |           |       |                            |                    | Length In (mm)         | Width In (mm) | Height In (mm) |                            |
| <b>Marine-Deep Cycle Capability</b> |          |       |           |       |                            |                    |                        |               |                |                            |
| 24M                                 | 8C-3638  | 675   | 115       | 12    | 55                         | C/MF/DT/-#         | 10.8 (273)             | 6.8 (171)     | 9.4 (238)      | 40 (18.1)                  |
| 24DC                                | 430-5992 | 500   | 130       | 12    | 75                         | LA/DT/@            | 10.8 (273)             | 6.8 (171)     | 9.4 (238)      | 45 (20.4)                  |
| 24DP                                | 430-5991 | 550   | 120       | 12    | 65                         | LAC/DT             | 10.8 (273)             | 6.8 (171)     | 9.4 (238)      | 42 (19.1)                  |
| 27M                                 | 8C-3639  | 650   | 150       | 12    | 80                         | @/S/DT#            | 12.5 (318)             | 6.8 (171)     | 9.4 (238)      | 49 (22.2)                  |

## Lawn & Garden

|    |         |     |   |    |    |      |           |           |           |            |
|----|---------|-----|---|----|----|------|-----------|-----------|-----------|------------|
| U1 | 8C-3636 | 230 | - | 12 | 25 | C/MF | 7.8 (197) | 5.2 (130) | 7.3 (184) | 15.5 (7.0) |
|----|---------|-----|---|----|----|------|-----------|-----------|-----------|------------|

## Golf Cart/Scissor & High Lifts

|      |         |   |   |   |     |      |            |           |            |           |
|------|---------|---|---|---|-----|------|------------|-----------|------------|-----------|
| GC-2 | 8C-3641 | - | - | 6 | 235 | @ DT | 10.3 (260) | 7.2 (181) | 10.9 (276) | 68 (30.8) |
|------|---------|---|---|---|-----|------|------------|-----------|------------|-----------|

## Sports/ATV

|  |          |     |   |    |            |             |             |            |             |           |
|--|----------|-----|---|----|------------|-------------|-------------|------------|-------------|-----------|
|  | 430-8016 | 120 | - | 12 | 8 @ 10 hr. | MF AGM/VRLA | 5.9 (148.8) | 3.6 (87.7) | 4.2 (105.5) | 7.1 (3.2) |
|--|----------|-----|---|----|------------|-------------|-------------|------------|-------------|-----------|

## Dual Terminal Batteries

|       |          |     |     |    |    |          |            |           |             |             |
|-------|----------|-----|-----|----|----|----------|------------|-----------|-------------|-------------|
| 34/78 | 127-0826 | 850 | 115 | 12 | 66 | C/MF/DT  | 10.8 (273) | 6.8 (175) | 8.0 (203) ! | 41 (18.6)   |
| 34/78 | 250-0486 | 690 | 110 | 12 | 60 | ST/MF/DT | 10.8 (273) | 6.8 (175) | 8.0 (203) ! | 36.5 (16.6) |
| 75/86 | 250-0489 | 540 | 85  | 12 | 47 | C/MF/DT  | 9.8 (248)  | 7.0 (178) | 8.1 (206) ! | 32 (14.5)   |

## Marine / Recreational

|    |         |     |     |   |     |      |            |           |            |             |
|----|---------|-----|-----|---|-----|------|------------|-----------|------------|-------------|
| 8V | 8C-3640 | 980 | 350 | 8 | 175 | LA + | 20.8 (527) | 7.3 (184) | 10.7 (270) | 90.5 (41.1) |
|----|---------|-----|-----|---|-----|------|------------|-----------|------------|-------------|

### Construction Notes:

Batteries use SAE taper post design and are shipped wet except as:

LA = Low Maintenance - Low Antimony Grids

LAC = Low Maintenance - Hybrid Construction

C = Calcium Lead Alloy Grid Design

MF = Maintenance Free Non-Accessible

MFA = Maintenance Free Accessible

S = Stud Terminals

DT = Dual Terminal

TB = Transit Bus one piece end terminal. Right end of battery. Positive Stud: 1/2"-13 steel,

Negative Stud: 3/8" -16 steel

OP = Offset Post with Horizontal Hole Stainless Steel 5/16" Bolt & Hex Nut

\* = Side Terminals

≈ = Cold Cranking Amps for 30 seconds at 0° F (-18° C)

† = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)

! = For height with removable adapter, add 7/8" (22mm)

@ = Deep Cycle - Antimony Grids

~ = Marine Starting

+ = Shipped Dry Only

§ = 75 amps @ 80° F

# = Wing nut for 8C-3638 & 8C-3639 is part number 3B-0723

# Valve Regulated Lead Acid (VRLA) Batteries

## Gelled (GEL) Electrolyte, Marine/Recreational, Deep Cycle Capability

| BCI Group Size | Part No. | CCA ≈ | RC Mins † | Volts | Amp Hr. Capacity @ 20 Hrs. | Construction Notes | BCI Overall Dimensions |               |                | Nominal Weight Wet Lb (kg) |
|----------------|----------|-------|-----------|-------|----------------------------|--------------------|------------------------|---------------|----------------|----------------------------|
|                |          |       |           |       |                            |                    | Length In (mm)         | Width In (mm) | Height In (mm) |                            |
| 4D             | 152-8006 | 970   | 375       | 12    | 183                        | MF-G/VRLA          | 20.8 (527)             | 8.5 (216)     | 10.0 (254)     | 127 (57.6)                 |
| 8D             | 152-7242 | 1150  | 475       | 12    | 225                        | MF-G/VRLA          | 20.8 (527)             | 11.0 (279)    | 10.0 (254)     | 157 (71.2)                 |

### Construction Notes:

MF-G/VRLA = Maintenance Free Non-Accessible - Gel Battery. Valve-Regulated Lead Acid (VRLA) battery with gelled electrolyte

≈ = Cold Cranking Amps for 30 seconds at 0° F (-18° C)

† = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)

## Absorbed Glass Mat (AGM) Batteries

| BCI Group Size                       | Part No. | CCA ≈ | RC Mins † | Volts | Amp Hr. Capacity @ 20 Hrs. | Construction Notes | BCI Overall Dimensions |               |                | Nominal Weight Wet Lb (kg) |
|--------------------------------------|----------|-------|-----------|-------|----------------------------|--------------------|------------------------|---------------|----------------|----------------------------|
|                                      |          |       |           |       |                            |                    | Length In (mm)         | Width In (mm) | Height In (mm) |                            |
| <b>Truck/Agricultural/Industrial</b> |          |       |           |       |                            |                    |                        |               |                |                            |
| 31                                   | 430-5994 | 800   | 200       | 12    | 105                        | MF-AGM/VRLA/S      | 13.0 (330)             | 6.8 (171)     | 9.5 (241)      | 69 (31.3)                  |
| 31                                   | 430-5995 | 925   | 190       | 12    | 100                        | MF-AGM/VRLA/S      | 13.0 (330)             | 6.8 (171)     | 9.5 (241)      | 63 (28.6)                  |

## Automotive/Light Truck & SUV

|       |          |     |     |    |    |                |            |           |           |             |
|-------|----------|-----|-----|----|----|----------------|------------|-----------|-----------|-------------|
| 34/78 | 430-5997 | 775 | 120 | 12 | 55 | MF-AGM/VRLA/DT | 10.8 (273) | 6.9 (175) | 8.0 (203) | 42.5 (19.3) |
| 34M   | 430-5999 | 775 | 120 | 12 | 55 | MF-AGM/VRLA/DT | 10.8 (273) | 6.9 (175) | 8.0 (203) | 41.5 (18.9) |
| 65    | 430-5998 | 775 | 150 | 12 | 75 | MF-AGM/VRLA    | 12.0 (305) | 7.4 (187) | 7.7 (194) | 46 (20.9)   |
| 94R   | 430-6004 | 800 | 140 | 12 | 80 | MF-AGM/VRLA    | 12.4 (315) | 6.9 (175) | 7.5 (190) | 51.5 (23.4) |

# Valve Regulated Lead Acid (VRLA) Batteries

## Absorbed Glass Mat (AGM) Batteries

| BCI Group Size  | Part No.    | A   | B    | Volts | Construction Notes | TERM.  | BCI Overall Dimensions |               | Nominal Weight          |                          |                            |
|---|-------------|-----|------|-------|--------------------|--------|------------------------|---------------|-------------------------|--------------------------|----------------------------|
|   |             |     |      |       |                    |        | Length In (mm)         | Width In (mm) | Terminal Height In (mm) | Container Height In (mm) | Nominal Weight Wet Lb (kg) |
| <b>High-rate Uninterruptible Power Supplies (UPS) or Standby Applications</b> |             |     |      |       |                    |        |                        |               |                         |                          |                            |
| 4D  | 250-0483    | 624 | 318  | 12    | MF-AGM/VRLA        | TA/2/p | 21.8 (552)             | 8.3 (210)     | 9.4 (237)               | 8.8 (222)                | 130 (59.0)                 |
| 24  | 250-0476    | 253 | 127  | 12    | MF-AGM/VRLA        | TA/1/p | 10.2 (259)             | 6.8 (173)     | 9.2 (232)               | 8.2 (206)                | 53 (24.0)                  |
| 27  | 250-0477    | 314 | 156  | 12    | MF-AGM/VRLA        | TA/1/p | 12.8 (323)             | 6.8 (173)     | 8.7 (220)               | 8.2 (206)                | 64 (29.0)                  |
| 31  | 250-0478    | 377 | 192  | 12    | MF-AGM/VRLA        | TA/1/p | 13.0 (329)             | 6.7 (171)     | 8.8 (222)               | 8.6 (218)                | 68.5 (31.1)                |
| 31  | 250-0479    | 475 | 238  | 12    | MF-AGM/VRLA        | TA/1/p | 13.5 (342)             | 6.8 (172)     | 11.3 (286)              | 11.1 (281)               | 99 (44.9)                  |
| 31  | 369-9959(2) | 550 | 271  | 12    | MF-AGM/VRLA        | TA/1/p | 13.5 (342)             | 6.8 (172)     | 11.2 (285)              | 11.1 (281)               | 107 (48.5)                 |
| 45  | 250-0475    | 168 | 85.4 | 12    | MF-AGM/VRLA        | TA/1/p | 8.9 (225)              | 5.3 (135)     | 8.7 (221)               | 8.2 (207)                | 40 (18.1)                  |
| U1  | 250-0474    | 119 | 60   | 12    | MF-AGM/VRLA        | TA/1/p | 7.8 (196)              | 5.2 (132)     | 7.2 (182)               | 6.2 (157)                | 24 (10.9)                  |
| ∞   | 369-9960(2) | 370 | 187  | 12    | MF-AGM/VRLA        | FA/3/p | 19.5 (494)             | 4.4 (110)     | 8.9 (227)               | 9.1 (231)                | 80 (36.3)                  |
| ∞   | 369-9961(2) | 550 | 274  | 12    | MF-AGM/VRLA        | FA/3/p | 21.9 (555)             | 5.0 (127)     | 11.2 (283)              | 11.7 (297)               | 120 (54.4)                 |
| ∞   | 369-9962(2) | 750 | 367  | 12    | MF-AGM/VRLA        | FA/3/p | 24.0 (610)             | 4.9 (125)     | 12.3 (311)              | 12.8 (324)               | 150 (68.1)                 |

### Construction Notes:

A = Power Watts per Cell for 15 minutes to 1.67 Volts Per Cell @ 77° F (25° C)

B = Discharge Rating in Amperes for 15 minutes to end voltage of 1.75 V.P.C. @ 77° F (25° C)

MF-AGM/VRLA = Maintenance Free Non-Accessible - Absorbed Glass Mat (AGM) Battery.

∞ = Unique container size. Does not use a standard BCI grouping

≈ = Cold Cranking Amps for 30 seconds at 0° F (-18° C)

† = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)

S = Stud Terminals

DT = Dual Terminal

2 = Available in United States and South America (Except Brazil)

### Terminal Notes:

TA - Top Access

FA - Front Access

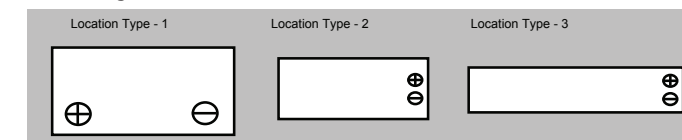
= In line lead terminal with brass female inserts. .490" diameter head with a 1/4-20unc x .700 deep thread

= In line lead terminal with brass female inserts. .625" diameter head with a 1/4-20unc x .750 deep thread

**AGM batteries have a longer production lead time than regular lead-acid type batteries**

**Important: Alternator and charger instructions: for 12-volt AGM Batteries charge to 14.4 volts but no more than 14.6 volts at 68° F (20° C)**

## Valve Regulated AGM Batteries—Terminal Locations



VRLA batteries are a UL Recognized Component and are I.C.C.O., I.M.D.E., I.A.T.A., and D.O.T. Air Transportable Approved.

# Cat® General Service Batteries - Limited Availability

## Europe, Africa, Middle East, Asia

| DIN Group Size | Part No. | Amp Hr Capacity @ 20 Hrs | RC Mins † | BCI CCA ≈ | DIN CCA ^ | EN CCA ± | Volts | Const. Notes | BCI Overall Dimensions |               |                | Nominal Weight Wet Lb (kg) |
|----------------|----------|--------------------------|-----------|-----------|-----------|----------|-------|--------------|------------------------|---------------|----------------|----------------------------|
|                |          |                          |           |           |           |          |       |              | Length In (mm)         | Width In (mm) | Height In (mm) |                            |
| 78             | 369-9957 | 58                       | 110       | 690       | -         | -        | 12    | -            | 10.75 (273)            | 6.89 (175)    | 7.24 (184)     | 36.51 (16.6)               |
| C11            | 369-9955 | 30                       | 43        | 270       | 150       | 250      | 12    | C            | 7.36 (187)             | 5.04 (128)    | 6.50 (165)     | 17.86 (8.1)                |
| T4             | 369-9956 | 44                       | 66        | 400       | 225       | -        | 12    | C            | 8.27 (210)             | 6.89 (175)    | 6.89 (175)     | 16.09 (7.3)                |
| T4             | 356-6211 | 44                       | 66        | 380       | 250       | 350      | 12    | C            | 8.27 (210)             | 6.89 (175)    | 6.89 (175)     | 16.09 (7.3)                |
| T5             | 356-6212 | 55                       | 85        | 450       | 290       | 420      | 12    | C            | 9.49 (241)             | 6.89 (175)    | 6.89 (175)     | 18.52 (8.4)                |
| T6             | 356-6213 | 66                       | 105       | 550       | 315       | 520      | 12    | C            | 10.94 (278)            | 6.89 (175)    | 6.89 (175)     | 21.83 (9.9)                |
| T7             | 356-6214 | 80                       | 133       | 625       | 420       | 570      | 12    | C            | 12.40 (315)            | 6.89 (175)    | 6.89 (175)     | 26.68 (12.1)               |
| T8             | 356-6215 | 88                       | 150       | 770       | 420       | 715      | 12    | C            | 13.58 (345)            | 6.89 (175)    | 6.89 (175)     | 30.20 (13.7)               |

### Construction Notes:

Batteries have taper post design and are shipped wet except as:

≈ = Cold Cranking Amps at 0° F (-18° C), discharge rate of 30 seconds, meeting 7.2V or above cut-off

^ = Cold Cranking Amps at 0° F (-18° C), discharge rate of 30 seconds, meeting 9V or above cut-off

± = Cold Cranking Amps at 0° F (-18° C), discharge rate of 90 seconds, meeting 6V or above cut-off

† = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)

C = Calcium Lead Alloy Grid Design

## Brazil Only

| DIN Group Size | Part No. | Amp Hr Capacity @ 20 Hrs | RC Mins † | BCI CCA ≈ | DIN CCA ^ | EN CCA ± | Volts | Const. Notes | BCI Overall Dimensions |               |                | Nominal Weight Wet Lb (kg) |
|----------------|----------|--------------------------|-----------|-----------|-----------|----------|-------|--------------|------------------------|---------------|----------------|----------------------------|
|                |          |                          |           |           |           |          |       |              | Length In (mm)         | Width In (mm) | Height In (mm) |                            |
| 4D             | 102-0400 | 150                      | 270       | 950       | 535       | -        | 12    | SC           | 20.08 (510)            | 8.39 (213)    | 9.06 (230)     | 95.68 (43.4)               |
| 4D             | 242-0824 | 135                      | 240       | 750       | 420       | -        | 12    | C            | 20.08 (510)            | 8.39 (213)    | 9.06 (230)     | 87.74 (39.8)               |
| 4D             | 242-0825 | 170                      | 330       | 1000      | 560       | -        | 12    | C            | 20.08 (510)            | 8.39 (213)    | 9.06 (230)     | 101.85 (46.2)              |
| 4D             | 242-0829 | 330                      | 170       | 700       | 395       | -        | 12    | C            | 20.08 (510)            | 8.39 (213)    | 9.06 (230)     | 101.41 (46)                |
| 31             | 242-0831 | 165                      | 100       | 600       | 335       | -        | 12    | C            | 12.99 (330)            | 6.77 (172)    | 9.41 (239)     | 60.19 (27.3)               |
| H7             | 242-0828 | 170                      | 90        | 725       | 380       | -        | 12    | C            | 12.32 (313)            | 6.89 (175)    | 6.89 (175)     | 51.93 (23.1)               |
| T5             | 242-0827 | 55                       | 90        | 425       | 250       | -        | 12    | C            | 9.53 (242)             | 6.89 (175)    | 6.89 (175)     | 30.64 (13.9)               |
| T5             | 242-0826 | 55                       | 90        | 425       | 250       | -        | 12    | C            | 9.53 (242)             | 6.89 (175)    | 6.89 (175)     | 30.64 (13.9)               |
| T6             | 112-9564 | 65                       | 110       | 620       | 345       | -        | 12    | SC           | 10.94 (278)            | 6.89 (175)    | 6.89 (175)     | 39.24 (17.8)               |

### Construction Notes:

Batteries have taper post design and are shipped wet except as:

≈ = Cold Cranking Amps for 30 seconds at 0° F (-18° C)

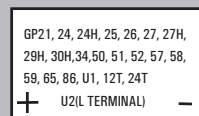
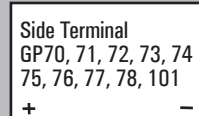
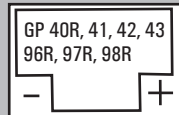
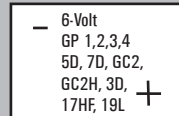
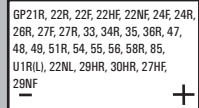
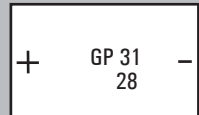
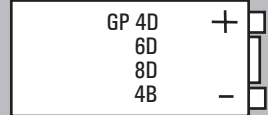
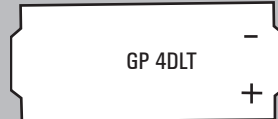
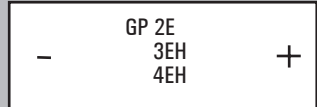
^ = Cold Cranking Amps at 0° F (-18° C), discharge rate of 30 seconds, meeting 9V or above cut-off

† = Reserve Capacity Minutes minimum of 25 amp output at 80° F (27° C)

C = Calcium Lead Alloy Grid Design

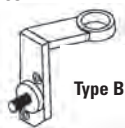
SC = Silver (Ag) Calcium Alloy Grids for resistance to high under hood temperatures.

BCI Terminal Locations



Terminal layout for 250-0473 8D Transit Bus Battery.  
Terminal not available for service.

1/2" - 13 Steel Positive Stud  
3/8" - 16 Steel Negative Stud



Type B

Cat Premium High Output Batteries — Built Tough to Exceed Demanding Performance Test Requirements:

- 100 hour Vibration Testing – Five Times the Industry Standard**  
Battery must be able to withstand vibration forces without suffering mechanical damage, loss of capacity, loss of electrolyte or without developing internal/external leaks  
Battery must pass a high rate discharge test after the vibration testing
- Five 72-hour Deep Discharge/Recharge Test Cycles**  
Battery must recover to 25 charging amps within 20 minutes and meet Industry Electrical Performance Standards
- 30 Day Complete Discharge Test**  
Battery must recover to 25 charging amps within 60 minutes and meet Industry Electrical Performance Standards after recharging
- SAE J2185 Life Cycle Test**  
Battery subject to deeper discharge and charge cycles at extreme temperatures not normally encountered in starting a machine or vehicle
- Cold Soak Test**  
Battery cold soaked at sub-freezing temperatures and then tested by starting an equally cold engine



Battery Accessories

- Group 31 - Charging Posts for Stud Terminals - Part # 4C-5637
- Screw-in Charging Posts for Side Terminals - Part # 4C-5638
- Wing Nut - Part # 2B-9498 for Part #'s 175-4390/175-4370/175-4360/8C-3628
- Wing Nut - Part # 3B-0723 for Part #'s 8C-3638 and 8C-3639
- Booster Cable 12' (3.66 m) - Part # 4C-4911
- Booster Cable 20' (6.00 m) - Part # 4C-4933
- Heavy Duty Commercial Fast Charger (110V) - Part # 4C-4921
- Heavy Duty Commercial Fast Charger (220V) - Part # 4C-4910

**Note: Ratings and Part Numbers are subject to change without notice.**



Marine Commercial Vessels

Maintenance Free 4D, 8D and Group 31 Batteries. General Service Line Valve regulated (VRLA) Gel batteries. High Marine Cranking Amps (MCA) and Deep Cycling capabilities.



Marine Pleasure Craft

Premium High Output BCI Group 31, Dual Terminal Deep Cycle Batteries. General Service Line BCI group 24M, 27M and 8V sizes.



Automotive-Truck-Bus & RV

A wide selection of popular BCI group sizes. Maintenance Free, Severe Service and Deep Cycle models. Application Specific Group 31 Truck Batteries.



Electric Power Generation

Premium High Output Maintenance Free and Accessible batteries in BCI group 4D, 8D, & 31 sizes. High Cold Cranking Amp (CCA) Capability. General Service Line valve regulated (VRLA) GM batteries for UPS or stationary power applications.



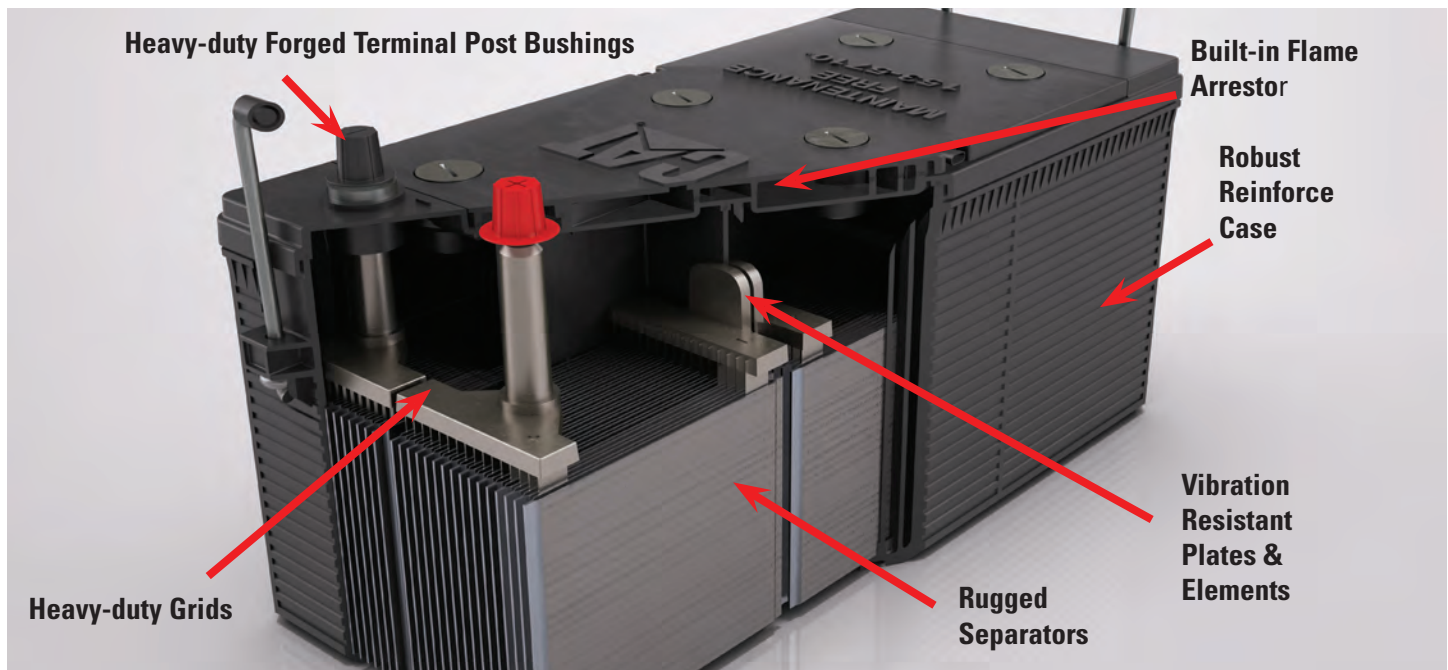
Commercial & Recreational

A wide selection of premium batteries in most BCI group sizes for light commercial, recreational, agricultural and industrial applications.



Construction & Mining

Premium High Output Maintenance Free batteries. BCI group 4D, 8D and 31 Sizes. Industry leading cold cranking amps (CCA) and maximum vibration resistance.



## Robust Components = Long Life + Reliable Starts

- Heavy-duty forged terminal post bushings provide maximum strength and resistance to acid seepage that causes corrosion and black posts. Thicker internal terminal posts provide lower electrical resistance and higher cold cranking amp output.
- Rugged microporous polyethylene envelope separators protect against “shorts” and vibration damage.
- Maintenance Free batteries utilize calcium lead alloy on both positive and negative plates that reduces gassing and water consumption. Automotive batteries have Silver (Ag) Calcium Alloy Grids for resistance to high underhood temperatures.
- Heavy-duty, full frame battery grids with no sharp edges. Durable plates with optimum acid/paste combination provides better charge acceptance after a deep discharge.
- Positive and Negative plates are anchored to the container bottom and the cell element is locked at the top for maximum vibration resistance. Straps are thicker, heavier and cast (not welded) into the plates.
- Manifold vented cover with built-in Flame Arrestor... a safety feature that directs corrosive gases away from the battery and hold-downs.
- Robust reinforced case provides extra strength in all temperature extremes. Brickwork design on sides reduces chance of punctures and case flexing. Embossed part number and descriptors for easy serviceability.

## CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

