

Cat® Batteries



Cat® Batteries—Greater Starting Power— Lower Maintenance—Longer Life

Cat Premium High Output (PHO) batteries are used in all Cat 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 Accessible or low maintenance designs are available in wet and dry configurations.

General Service Line batteries are available in Maintenance Free Accessible 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 Accessible and have the industries highest cold cranking amps (CCA)
- Popular BCI group 31 Maintenance Free Accessible 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	Length In (mm)	BCI Overall Dimensions		Nominal Weight		
									Width In (mm)	Height In (mm)	Wet Lb (kg)	Dry Lb (kg)	Nominal Acid to Fill Qt (liter)
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	880	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 = Accessibly 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 = Dual, Top mounted Terminals - Stud and SAE Post. Marine Deep Cycle/Starting Battery
- 1 = Available in EAME and China only

Rugged Design—Built Tough—Reliable Starting

- Positive and negative plates are anchored to container bottom and locked at the top of cell element for maximum vibration resistance.
- Heavy-duty forged terminal post bushings provide maximum strength and resistance to acid seepage.
- Hefty full-frame grids, no sharp edges, optimum acid/paste combination provides better charge acceptance after deep discharge.
- Manifold vented cover with built-in Flame Arrestor...a safety feature that directs corrosive gases away from the battery and hold-downs.
- Thick, robust container resists rugged treatment typical of heavy-duty commercial use. Embossed part number & descriptors for easy serviceability.

Cat® General Service Batteries—Available Worldwide



Quality Batteries for a Wide Range of Applications

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

- Maintenance Free Accessible 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)
Truck/Agricultural/Industrial										
1	8C-3617	640	130	6	100	C/MF	9.0 (229)	6.9 (175)	8.8 (222)	30 (13.6)
2	8C-3629	780	200	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	C/MFA/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
							Length In (mm)	Width In (mm)	Height In (mm)	Wet Lb (kg)
Marine-Deep Cycle Capability										
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	132\$	-	6	235	@ OP	10.3 (260)	7.2 (181)	10.9 (276)	68 (30.8)	
------	---------	-------	---	---	-----	------	------------	-----------	------------	-----------	--

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)	

Dry Batteries

Dry Batteries							BCI Overall Dimensions			Nominal Weight		Nominal Acid to Fill Qt (liter)
BCI Group Size	Part No.	CCA ≈	RC Mins †	Volts	Amp Hr. Capacity @ 20 Hrs.	Construction Notes	Length In (mm)	Width In (mm)	Height In (mm)	Wet Lb (kg)	Dry Lb (kg)	
Marine / Recreational												
8V	8C-3640	980	350	8	175	LA +	20.8 (527)	7.3 (184)	10.7 (270)	90.5 (41.1)	59.5 (27.0)	12 (10.9)

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	
							Length In (mm)	Width In (mm)	Height In (mm)	Wet Lb (kg)	
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
							Length In (mm)	Width In (mm)	Height In (mm)	Wet Lb (kg)
Truck/Agricultural/Industrial										
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.	BCI Overall Dimensions		Volts	Construction Notes	TERM.	Nominal Weight		Terminal Height In (mm)	Container Height In (mm)	Terminal Weight Wet Lb (kg)
		A	B				Length In (mm)	Width In (mm)			
High-rate Uninterruptible Power Supplies (UPS) or Standby Applications											
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:

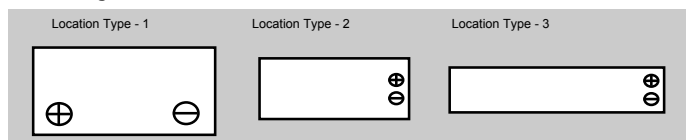
A = Power Watts per Cell for 15 minutes to 1.67 Volts Per Cell @ 77° F (25° C)
 B = Discharge Rating in Amperes for 15 minutes to end voltage of 1.75 V.P.C. @ 77° F (25° C)
 MF-AGM/VRLA = Maintenance Free Non-Accessible - Absorbed Glass Mat (AGM) Battery.
 ∞ = Unique container size. Does not use a standard 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
 α = In line lead terminal with brass female inserts .490" diameter head with a 1/4-20unc x .700 deep thread
 p = 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 Overall Dimensions			Volts	Const. Notes	Nominal Weight Wet		
				BCI CCA ≈	DIN CCA ^	EN CCA ±			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)
C11	369-9955	30	43	270	150	250	12	C	7.36 (187)	5.04 (128)	6.50 (165)
T4	369-9956	44	66	400	225	-	12	C	8.27 (210)	6.89 (175)	6.89 (175)
T4	356-6211	44	66	380	250	350	12	C	8.27 (210)	6.89 (175)	6.89 (175)
T5	356-6212	55	85	450	290	420	12	C	9.49 (241)	6.89 (175)	6.89 (175)
T6	356-6213	66	105	550	315	520	12	C	10.94 (278)	6.89 (175)	6.89 (175)
T7	356-6214	80	133	625	420	570	12	C	12.40 (315)	6.89 (175)	6.89 (175)
T8	356-6215	88	150	770	420	715	12	C	13.58 (345)	6.89 (175)	6.89 (175)

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

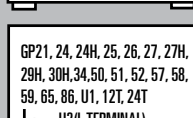
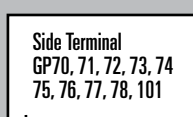
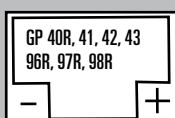
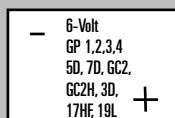
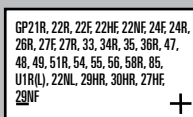
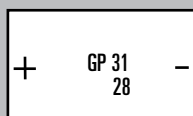
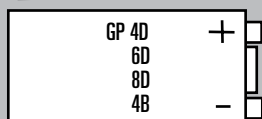
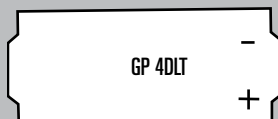
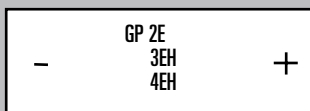
DIN Group Size	Part No.	Amp Hr Capacity @ 20 Hrs	RC Mins †	BCI Overall Dimensions			Volts	Const. Notes	Nominal Weight Wet		
				BCI CCA ≈	DIN CCA ^	EN CCA ±			Length In (mm)	Width In (mm)	Height In (mm)
4D	102-0400	150	270	950	535	-	12	SC	20.08 (510)	8.39 (213)	9.06 (230)
4D	242-0824	135	240	750	420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

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



Transit Bus Terminal for 8D Part # 250-0473
One piece end terminal.
Right end of Battery.
1/2" - 13 Steel Positive Stud
3/8" - 16 Steel Negative Stud
Terminal not serviceable

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.



Recycle all scrap batteries.
We accept lead-acid batteries for recycling.



Marine Commercial Vessels

Maintenance Free Accessible 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 Accessible, Severe Service and Deep Cycle models. Application Specific Group 31 Truck Batteries.



Electric Power Generation

Premium High Output Maintenance Free Accessible 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.



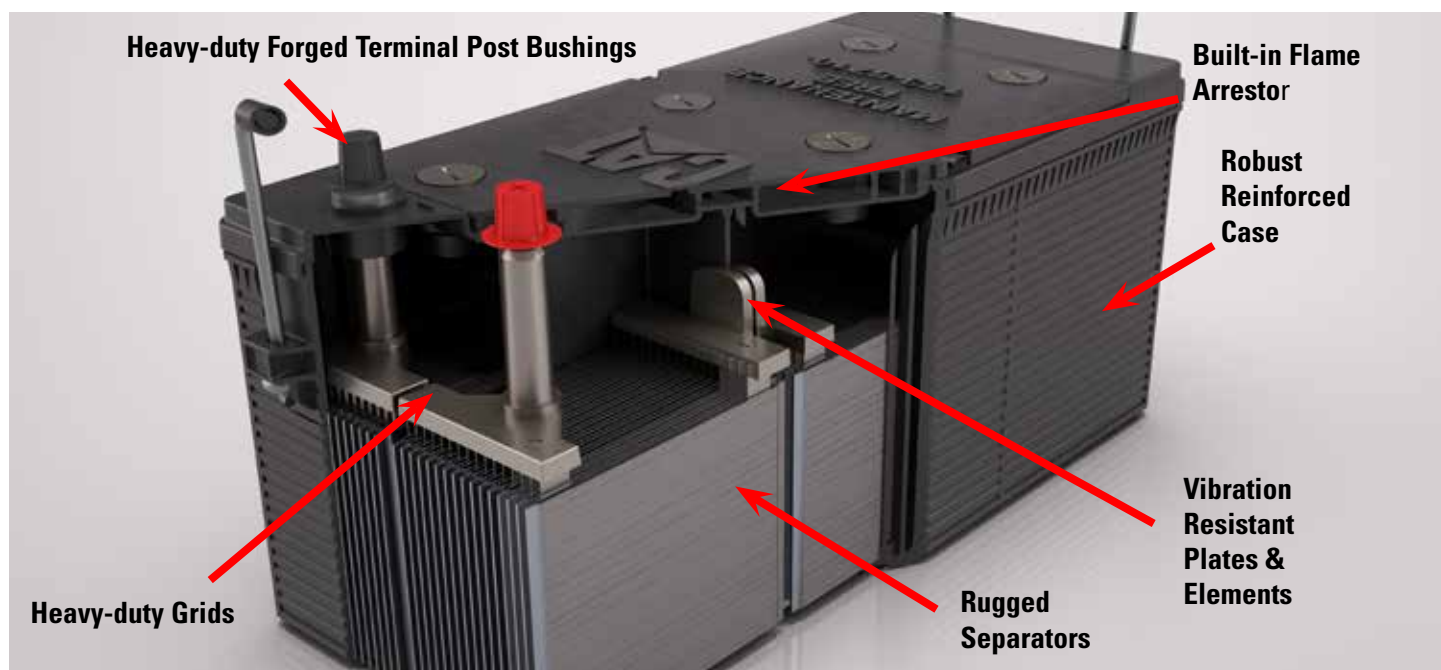
Commercial & Recreational

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 Accessible 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 micro porous polyethylene envelope separators protect against “shorts” and vibration damage. Deep Cycle batteries utilize double insulated Glass mat separators for longer cycling life.
- Maintenance Free Accessible 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. An 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.

