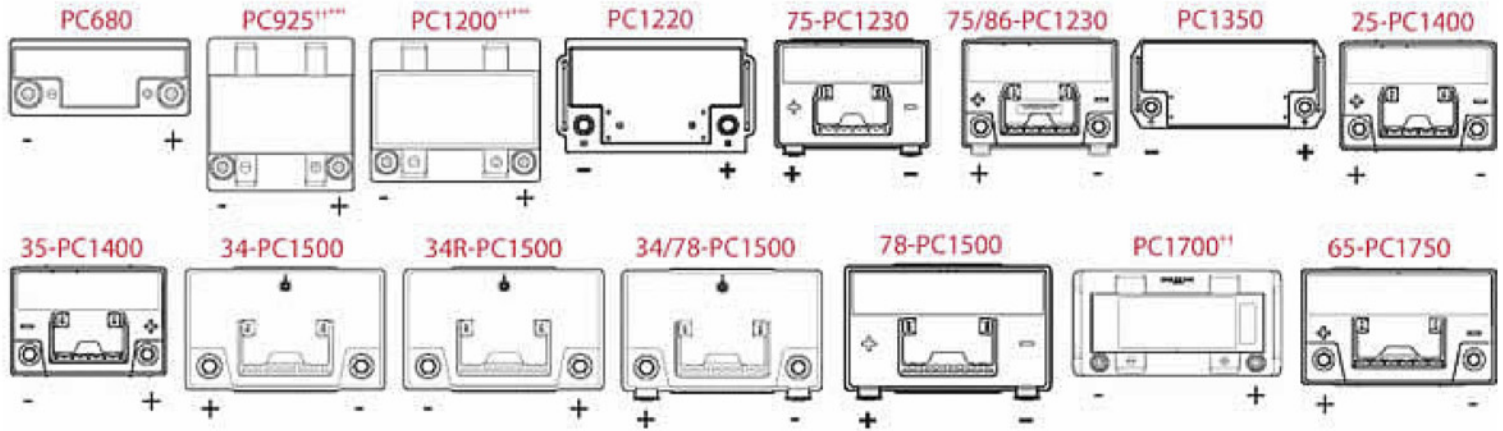








Automotive and Light Truck Specifications












Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.

†† Optional Metal Jacket (MJ)

††† Optional Reversed Polarity (L)

MODEL	Voltage	PHCA** (5 sec.)	CCA*	HCA	MCA	Nominal Capacity		Reserve Capacity Minutes	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kg)	Terminal	Torque Specs in-lbs (Nm max)	Internal Resistance (mΩ)	Short Circuit Current
						(20 Hr Rate- Ah)	(10 Hr Rate- Ah)									
 PC680	12	680	220	370	300	16	16	24	7.27 (184.7)	3.11 (79.0)	6.67 (169.4)	15.4 (7.0)	M6 Receptacle [†] or SAE 3/8" Receptacle	50 (5.6)	7	1800A
 PC925	12	925	380	625	500	28	27	52	6.64 (168.6)	7.05 (179.0)	5.04 (128.0)	26.0 (11.8)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	5	2400A
 PC1200	12	1200	550	860	725	42	40	78	7.87 (199.9)	6.66 (169.1)	6.80 (172.7)	38.2 (17.4)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	4.5	2600A
 PC1220	12	1200	680	960	860	70	64.8	135	11.89 (302.0)	6.88 (175.0)	7.48 (190.0)	45.6 (20.7)	DIN	N/A	5.7	2200A
 75- PC1230	12	1230	730	1050	815	55	50	100	9.46 (240.3)	6.99 (177.5)	7.22 (201.2)	45.5 (20.6)	Side 3/8" Receptacle	60 (6.8)	2.5	3100A
 75/86- PC1230	12	1230	730	1050	815	55	50	100	9.46 (240.3)	6.99 (177.5)	7.92 (201.2)	45.5 (20.6)	TOP SAE SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A

 PC1350	12	1350	770	1080	960	95	88.5	195	14.84 (377.0)	6.88 (175.0)	7.48 (190.0)	60.4 (27.4)	DIN	N/A	4.2	2900A
 25-PC1400	12	1400	820	1150	850	65	55	125	9.46 (240.3)	6.84 (173.7)	8.69 (220.7)	50.0 (22.7)	SAE	70 (7.9)	2.5	3100A
 35-PC1400	12	1400	820	1150	850	65	55	125	9.46 (240.3)	6.84 (173.7)	8.69 (220.7)	50.0 (22.7)	SAE	70 (7.9)	2.5	3100A
 34-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE	60 (6.8)	2.5	3100A
 34R-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE	60 (6.8)	2.5	3100A
 34/78-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.99 (177.5)	7.82 (198.6)	49.5 (22.4)	TOP SAE SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
 78-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.99 (177.5)	7.12 (198.6)	49.5 (22.4)	Side 3/8" Receptacle	60 (6.8)	2.5	3100A
 PC1700	12	1700	875	1325	1175	68	65	142	13.02 (330.7)	6.62 (168.2)	6.93 (176.0)	60.9 (27.6)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	3.5	3500A
 65-PC1750	12	1750	930	1350	1070	74	65	135	11.83 (300.5)	7.20 (182.9)	7.43 (188.7)	58.0 (26.3)	SAE	70 (7.9)	2.0	5000A

*Cold Start Performance S.A.E J537 JUNE 82

**Pulse Current

† Can be fitted with brass automotive terminal

PC680 supplied with a metal jacket

Operating temperature range:

-40°C (-40°F) to 80°C (176°F) for PC680, PC925, PC1200

and PC1700 with a metal jacket and all BCI sizes

-40°C (-40°F) to 80°C (176°F) for for PC680, PC925,

PC1200 and PC1700 without a metal jacket

-30°C (-22°F) to 40°C (104°F) for PC1220 and PC1350

Constant voltage portable charger parameters:











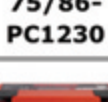
Standby, per 12V battery 13.5-13.8V no current limit required





Cyclic, per 12V battery (16-hour recharge) 14.4-14.8V no current limit required

Typical deep-cycle life at 25°C/77°F 400 cycles at 80% DOD

Typical service life at 25°C/77°F Medium to heavy duty usage - 3+ years
Light duty usage - 5+ years

Battery Specifications

MODEL	Voltage	PHCA** (5 sec.)	CCA*	HCA	MCA	Nominal Capacity		Reserve Capacity Minutes	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kg)	Terminal	Torque Specs in-lbs (Nm max)	Internal Resistance (mΩ)	Short Circuit Current
						(20 Hr Rate- Ah)	(10 Hr Rate- Ah)									
 PC310	12	310	100	200	155	8	7	9	5.43 (138.0)	3.39 (86.0)	3.98 (101.0)	5.9 (2.7)	M4 Receptacle	8.9 (1.0)	27.1	455A
 PC535	12	535	200	300	265	14	13	21	6.70 (170.2)	3.90 (99.1)	6.18 (157.0)	12.0 (5.4)	M6 Stud	40 (4.5)	8	1000A
 PC545	12	545	185	300	240	13	12	18	7.00 (177.8)	3.38 (85.9)	5.17 (131.3)	12.6 (5.7)	M6 Receptacle	50 (5.6)	10	1200A
 PC625	12	625	265	440	350	18	17	27	6.70 (170.2)	3.90 (99.1)	6.89 (175.0)	13.2 (6.0)	M6 Stud	40 (4.5)	7	1800A
 PC680	12	680	220	370	300	16	16	24	7.15 (181.5)	3.00 (76.3)	6.65 (167.8)	15.4 (7.0)	M6 Receptacle [†] or SAE 3/8" Receptacle	50 (5.6)	7	1800A
 PC925	12	925	380	625	500	28	27	52	6.64 (168.6)	7.05 (179.0)	5.04 (128.0)	26.0 (11.8)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	5	2400A
 PC1200	12	1200	550	860	725	42	40	78	7.87 (199.9)	6.66 (169.1)	6.80 (172.7)	38.2 (17.4)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	4.5	2600A
 PC1220	12	1220	680	960	860	70	64.8	135	11.89 (302.0)	6.88 (175.0)	7.48 (190.0)	45.6 (20.7)	DIN Lead Post	N/A	5.7	2200A
 75-PC1230	12	1230	730	1050	815	55	50	100	9.46 (240.3)	6.99 (177.5)	7.22 (183.4)	45.5 (20.6)	SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
 75/86- PC1230	12	1230	730	1050	815	55	50	100	9.46 (240.3)	6.99 (177.5)	7.92 (201.2)	45.5 (20.6)	Top SAE SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
 PC1350	12	1350	770	1080	960	95	88.5	195	14.84 (377.0)	6.88 (175.0)	7.48 (190.0)	60.4 (27.4)	DIN Lead Post	N/A	4.2	2900A

 25-PC1400	12	1400	820	1150	850	65	55	125	9.46 (240.3)	6.84 (173.7)	8.69 (220.7)	50.0 (22.7)	SAE	70 (7.9)	2.5	3100A
 35-PC1400	12	1400	820	1150	850	65	55	125	9.46 (240.3)	6.84 (173.7)	8.69 (220.7)	50.0 (22.7)	SAE	70 (7.9)	2.5	3100A
 34-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE	60 (6.8)	2.5	3100A
 34R-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE	60 (6.8)	2.5	3100A
 34M-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.76 (171.7)	7.82 (198.6)	49.5 (22.4)	SAE and 3/8" Stud (Pos.) 5/16" Stud (Neg.)	70 (7.9)	2.5	3100A
 34/78-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.99 (177.5)	7.82 (198.6)	49.5 (22.4)	TOP SAE SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
 78-PC1500	12	1500	880	1250	1050	68	62	135	10.85 (275.6)	6.99 (177.5)	7.12 (180.8)	49.5 (22.4)	SIDE 3/8" Receptacle	60 (6.8)	2.5	3100A
 PC1700	12	1700	875	1325	1175	68	65	142	13.02 (330.7)	6.62 (168.2)	6.93 (176.0)	60.9 (27.6)	M6 Receptacle [†] or SAE 3/8" Receptacle	60 (6.8)	3.5	3500A
 65-PC1750	12	1750	930	1350	1070	74	65	135	11.83 (300.5)	7.20 (182.9)	7.43 (188.7)	58.0 (26.3)	SAE	70 (7.9)	2.0	5000A
 PC1800-FT	12	1800	1300	1600	1450	214	190	475	22.75 (577.9)	4.9 (125.0)	12.44 (316.0)	132.3 (60.0)	3/8" Stud	80 (9.0)	3.3	3800A
 31-PC2150	12	2150	1150	1545	1370	100	92	205	13.00 (330.2)	6.80 (172.7)	9.41 (239.0)	77.8 (35.3)	3/8" Stud or SAE	150- 200 (16.9- 22.6)	2.2	5000A
 31M-PC2150	12	2150	1150	1545	1370	100	92	205	13.00 (330.2)	6.80 (172.7)	9.47 (240.5)	77.8 (35.3)	SAE and 3/8" Stud (Pos.) 5/16" Stud (Neg.)	150- 220 (16.9- 22.6)	2.2	5000A



PC2250

12	2250	1225	1730	1550	126	114	240	11.26 (286.0)	10.59 (269.0)	9.17 (233.0)	86.0 (39.0)	Dual SAE/DIN Terminal and 3/8" Stud	100 (11.0) for 3/8" Stud Only	2.1	5000A
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*Cold Start Performance S.A.E J537 JUNE 82

**Pulse Current

† Can be fitted with brass automotive terminal

Optional metal jackets available on PC545, PC680, PC925, PC1200, PC1700 and 31-PC2150

Operating temperature range:

PC310 and PC1800-FT: -40°C (-40°F) to 50°C (122°F)

PC535 and PC625: -40°C (-40°F) to 45°C (113°F)

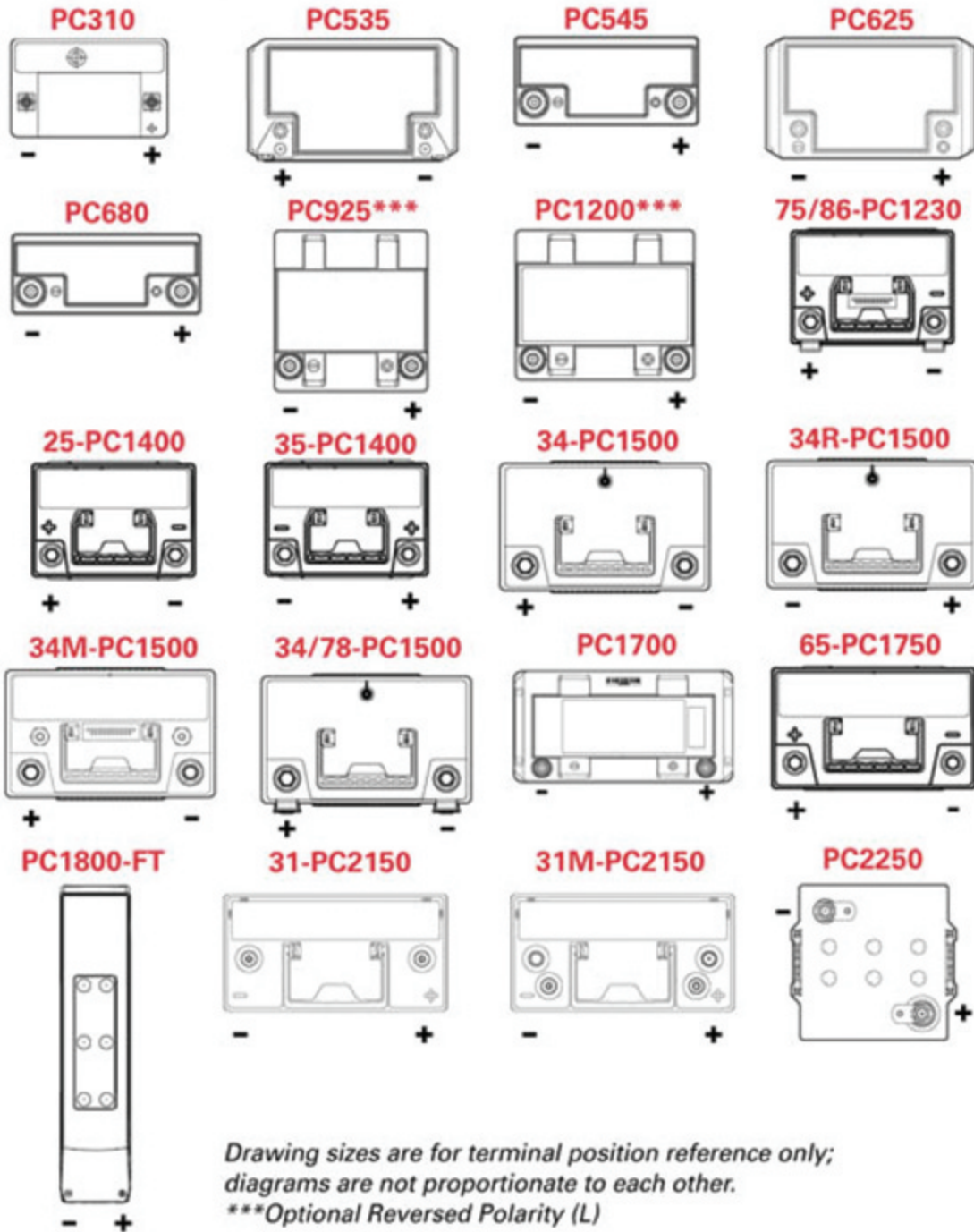
PC545, PC680, PC925, PC1200 and PC1700 without metal jacket: -40°C (-40°F) to 45°C (113°F)

PC545, PC680, PC925, PC1200 and PC1700 with metal jacket: -40°C (-40°F) to 80°C (176°F)

PC2250: -30°C (-22°F) to 40°C (104°F)

All other models: -40°C (-40°F) to 80°C (176°F)

TERMINAL LAYOUTS



Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.

***Optional Reversed Polarity (L)