

POWER

Power for a World of Applications

HIGH-RATE Series

PRC-12150C and TC-12150C



**VALVE REGULATED
LEAD ACID BATTERY (V.R.L.A.)**

**ABSORBED GLASS MAT
TECHNOLOGY (A.G.M.)**

**10 YEAR DESIGN FOR UPS AND
STANDBY APPLICATIONS**



Features

- Gas recombination greater than 99%.
- Operates at a low internal pressure.
- Never needs watering, minimal maintenance.
- 99.7% pure lead calcium grids.
- Shock absorbent thick wall polypropylene cases.
- Cold forged non-porous terminal bushings, eliminate post leakage.
- Thermally welded case to cover bond, Eliminates both acid and electrical leaks.
- Over-sized, through the partition inter-cell welds provide low resistance connections, with minimal power loss.
- Each cell has a low pressure safety release venting system, recognized per U.L. 924.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- 100% recyclable materials.

Options

- The TC-12150C battery has a flame retardant polypropylene case and cover compliant with UL 1778; with an oxygen index greater than 28%.
- Terminal covers and custom inter-connecting battery cables.

Specifications

Cells per unit	6 cells
Nominal voltage	12 volts
Maximum discharge current	805 amps
Short circuit current	5454 amps
Impedance (milliohms)	4.2 milliohms
Dimensions (MM) (L x W x H)	344mmL x 172mmW x 276mmH
Weight lbs / kgs	100.1 / 45.5
Electrolyte (S.G.)	1.300
Capacity @ 77°F (25°C) to 1.75 V.P.C.	136 AH @ (20 hrs) 128 AH @ (8 hrs)
Nominal operating Temperature range	-40°F (-40°C) to 140°F (60°C)
Extended operating Temperature range	Discharge: -40°F (-40°C) to +140°F (60°C) Charge: -40°F (-40°C) to +122°F (50°C)
Float Voltage	13.5 to 13.8 @ 77°F (25°C)
Recommended maximum charging current	C5 amperes at 100% discharge Unlimited at partial discharge.
AC ripple from charging source	1.5% peak to peak of float
Storage	6 months at 77°F (25°C)

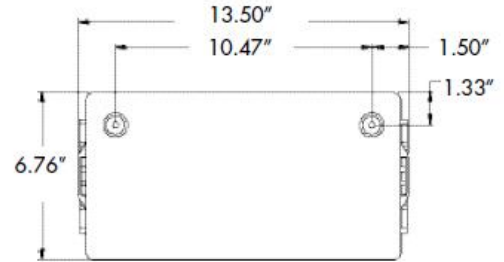
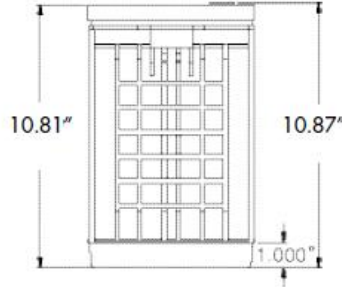
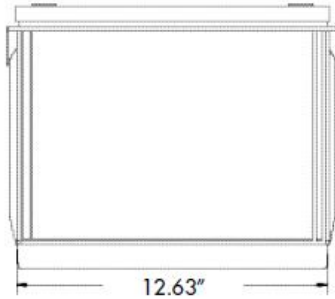
No transport restrictions

- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49 part 171-189.
- Maritime transport. Classified as non-hazardous material as Relates per IMDG amendment 27..
- Air transport. Complies with IATA / ICAO, special provision A67.

DISCHARGE SPECIFICATIONS

Constant power ratings, Watts per battery @ 77°F (25°C) in minutes										
Final V.P.C.	5	10	15	20	30	40	45	50	60	90
1.60	5673	3975	3065	2543	1843	1490	1359	1267	1131	771
1.67	5480	3900	3030	2520	1830	1480	1350	1260	1128	771
1.70	5396	3871	3011	2505	1823	1476	1346	1257	1126	771
1.75	5117	3643	2902	2458	1807	1462	1334	1245	1117	771

Specifications subject to change without notice



CR4 Cabinet

POWER BATTERY offers an extensive line of pre-wired and fused battery cabinets that are UL and CUL approved. Custom DC voltages, breakers and chargers are also available.

Battery Cabinet Systems (pre-wired with PRC/TC-12150C batteries)					
Battery cabinet model	Maximum # of batteries	Dimensions			Weight lbs /kgs
		inches / millimeters			
		W	D	H	
KS5	2	15.0/381	25.0/635	15.75/400	257/116
KS6	4	16.0/406	34.5/876	17.75/451	499/226
KS7	8	16.0/406	34.5/876	37.25/946	998/453
CR1	12	24.0/610	32.5/826	43.0/1092	1532/695
CR3	20	40.0/1016	32.5/826	43.0/1092	2446/1110
CR6	30	40.0/1016	32.5/826	60.0/1524	3622/1643
CR4	40	40.0/1016	32.5/826	77.0/1956	4798/2176

Constant current ratings, Amperes @ 77°F (25°C) in hours

Final V.P.C.	1	2	3	4	5	6	8	10	12	20
1.75	95.0	47.2	34.4	27.0	23.5	18.9	16.0	14.0	10.2	6.80
1.80	80.1	46.9	34.0	26.5	21.9	18.6	14.5	11.9	10.1	6.40
1.85	76.9	45.4	32.8	25.6	21.1	18.1	14.0	11.5	9.70	6.20
1.90	70.7	42.5	30.8	24.2	19.9	17.0	13.0	10.6	8.90	6.70

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