

C&D TECHNOLOGIES

Power Solutions

LIBERTY SERIES® VALVE-REGULATED (SEALED), LEAD-CALCIUM BATTERY WITH PRELYTE®



MODEL LST For Telecommunication Applications
780-2130 Ampere-hours



FEATURES & BENEFITS

- Valve-regulated for low maintenance and low cost operation
- Reduces battery maintenance
- Requires no watering or special ventilation
- Superior reliability and dependability over the life of the product
- Prelyte® Patented Gel Technology is excellent for higher temperature applications
- 20-year life expectancy in an average annual operating temperature of 77°F (25°C) or less
- Flame-retardant jar and cover

SPECIFICATIONS

Float Voltage	2.20 ± .02 volts per cell
Electrolyte	1.245 Sp. Gr. nominal (cannot be measured)
Container and Cover	Flame-retardant thermoplastic with a minimum oxygen index of 28
Terminals	Four 1-in (25mm) square posts per cell
Safety Vent System	Low-pressure release vent with flash arrester

Note: AC ripple current from the charger shall not exceed 5 percent of the 8-hour (ampere-hour) rating of the battery.

Type of Cell	Pos. Plates/Cell	Overall Dimensions			Approximate Wt. lbs (kgs)		Internal Resistance with Connector (OHMS)	CPR Code		
		Length in (mm)	Width in (mm)	Height* in (mm)	Net Filled	Dom. Packed				
LST-780	7	7.62 (194)	14.12 (359)	22.06 (561)	210 (96)	225 (102)	.000286	164426		
LST-900	8				224 (102)	240 (109)	.000250	063788		
LST-1010	9				238 (108)	253 (115)	.000222			
LST-1120	10				252 (114)	267 (121)	.000200			
LST-1340	12	8.88 (226)					298 (135)	314 (143)	.000176	
LST-1680	15	10.62 (270)					366 (166)	383 (174)	.000133	164425
LST-1900	17	13.14 (334)					400 (181)	423 (192)	.000118	
LST-2020	18				420 (190)	433 (201)	.000111			
LST-2130	19		438 (199)	461 (209)	.000105	063794				

*To the top of the post

Nominal rates at 77°F (25°C) (includes connector voltage drop) Ampere-Hours								
Final Volts	Models	8 HR.	6 HR.	5 HR.	4 HR.	3 HR.	2 HR.	1 HR.
1.75	LST-780	780	745	731	692	651	584	455
	LST-900	900	852	836	791	744	668	520
	LST-1010	1010	958	940	890	837	751	585
	LST-1120	1120	1065	1045	989	930	835	650
	LST-1340	1340	1278	1254	1187	1116	1002	780
	LST-1680	1680	1597	1567	1483	1395	1252	975
	LST-1900	1900	1810	1776	1681	1581	1419	1105
	LST-2020	2020	1917	1881	1780	1674	1503	1170
	LST-2130	2130	2023	1985	1879	1767	1586	1235
	1.78	LST-780	766	728	710	672	626	558
LST-900		879	833	812	768	716	638	486
LST-1010		988	936	913	864	806	718	547
LST-1120		1097	1041	1015	960	895	798	608
LST-1340		1315	1249	1218	1152	1074	958	730
LST-1680		1645	1561	1522	1439	1343	1196	912
LST-1900		1863	1769	1725	1631	1522	1356	1034
LST-2020		1976	1874	1827	1727	1612	1436	1094
LST-2130		2085	1977	1928	1880	1701	1516	1155
1.80		LST-780	757	717	696	658	610	541
	LST-900	865	820	796	752	697	618	464
	LST-1010	973	922	895	846	785	696	522
	LST-1120	1082	1025	995	940	872	773	580
	LST-1340	1298	1230	1194	1128	1046	928	696
	LST-1680	1622	1537	1492	1410	1308	1159	870
	LST-1900	1839	1742	1691	1598	1482	1314	986
	LST-2020	1947	1845	1791	1692	1570	1391	1044
	LST-2130	2055	1947	1890	1880	1657	1469	1102
	1.81	LST-780	744	704	681	644	597	527
LST-900		850	805	779	736	682	602	450
LST-1010		957	906	876	829	768	678	507
LST-1120		1064	1007	974	921	854	753	563
LST-1340		1276	1208	1169	1105	1024	904	676
LST-1680		1595	1509	1461	1381	1280	1130	844
LST-1900		1808	1711	1655	1565	1451	1281	957
LST-2020		1914	1812	1753	1657	1537	1356	1013
LST-2130		2020	1912	1850	1824	1622	1432	1070

Nominal rates at 77°F (25°C) (includes connector voltage drop) Ampere-Hours								
Final Volts	Models	8 HR.	6 HR.	5 HR.	4 HR.	3 HR.	2 HR.	1 HR.
1.84	LST-780	706	666	638	604	559	487	358
	LST-900	807	761	729	690	639	556	410
	LST-1010	907	856	820	776	719	626	460
	LST-1120	1008	951	911	862	798	695	512
	LST-1340	1210	1142	1093	1035	958	834	614
	LST-1680	1512	1427	1366	1293	1198	1042	768
	LST-1900	1714	1617	1549	1466	1357	1181	870
	LST-2020	1815	1712	1640	1552	1437	1250	922
	LST-2130	1916	1808	1731	1658	1517	1320	972
	1.85	LST-780	693	653	623	590	546	473
LST-900		792	746	712	674	624	540	396
LST-1010		891	840	801	759	702	608	445
LST-1120		990	933	890	843	780	675	495
LST-1340		1188	1120	1068	1012	936	810	594
LST-1680		1485	1399	1335	1264	1170	1013	742
LST-1900		1683	1586	1513	1433	1326	1148	841
LST-2020		1782	1679	1602	1517	1404	1215	891
LST-2130		1881	1773	1691	1602	1482	1283	940
1.88		LST-780	640	601	575	541	496	424
	LST-900	731	687	657	618	566	485	348
	LST-1010	823	773	739	695	637	546	392
	LST-1120	914	859	821	772	708	606	435
	LST-1340	1097	1031	985	927	850	727	522
	LST-1680	1371	1289	1232	1158	1062	909	653
	LST-1900	1553	1461	1396	1313	1204	1030	740
	LST-2020	1645	1546	1478	1390	1274	1091	783
	LST-2130	1736	1633	1560	1468	1345	1152	827
	1.90	LST-780	604	567	543	508	462	392
LST-900		690	648	620	580	528	448	316
LST-1010		777	729	698	653	594	504	356
LST-1120		863	810	775	725	660	560	395
LST-1340		1036	972	930	870	792	672	474
LST-1680		1295	1215	1163	1088	990	840	593
LST-1900		1467	1377	1318	1233	1122	952	672
LST-2020		1553	1458	1395	1305	1188	1008	711
LST-2130		1640	1539	1473	1378	1254	1064	751

For information on battery racks, please refer to brochure 12-560.

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