

5.1 Run Times

NOTE: Liebert® PSI5-1100/2200/3000/5000: When using 2 or more external battery cabinets (EBCs), the UPS load rating will be decreased by 20%. The % load graph on the LCD automatically adjusts to reflect this derating.

NOTE: Run times are approximate. They are based on new, fully charged batteries at a temperature of 25°C (77°F) with 100% resistive UPS loading.

Table 5-4 PSI5-800RT120

LOAD			INTERNAL BATTERY ONLY	NUMBER OF EXTERNAL BATTERY CABINETS					
				1	2	3	4	5	6
%	VA	W	MINUTES						
100	800	720	5.5	27	51	76	104	132	161
90	720	648	6.6	31	58	87	118	150	183
80	640	576	8.0	36	67	101	136	173	210
70	560	504	9.9	42	79	118	160	202	246
60	480	432	12.5	51	96	144	193	244	295
50	400	360	16.2	64	119	178	239	300	363
40	320	288	21.7	84	155	230	306	384	462
30	240	216	30.5	116	213	313	415	517	620
20	160	144	44.4	167	303	441	581	721	862
10	80	72	85.6	313	552	792	1034	1276	1519

Table 5-5 PSI5-1100RT120

LOAD			NUMBER OF EXTERNAL BATTERY CABINETS		LOAD			NUMBER OF EXTERNAL BATTERY CABINETS				
			INTERNAL BATTERY ONLY	1				2	3	4	5	6
%	VA	W	MINUTES		%	VA	W	MINUTES				
100	1100	990	4.6	20	100	880	792	48	71	95	120	147
90	990	891	5.6	23	90	792	713	54	81	109	138	167
80	880	792	6.8	27	80	704	634	63	94	126	159	193
70	770	693	8.5	32	70	616	554	75	111	149	188	228
60	660	594	11.0	39	60	528	475	91	134	179	226	273
50	550	495	13.7	48	50	440	396	113	167	222	279	336
40	440	396	18.7	63	40	352	317	147	216	286	357	429
30	330	297	27.0	89	30	264	238	205	298	393	488	584
20	220	198	40.1	131	20	176	158	294	423	553	684	816
10	110	99	87.4	278	10	88	79	545	774	1003	1233	1463

Table 5-6 PSI5-1500RT120 & PSI5-1500RT120TAA

LOAD			INTERNAL BATTERY ONLY	NUMBER OF EXTERNAL BATTERY CABINETS					
				1	2	3	4	5	6
%	VA	W	MINUTES						
100	1500	1350	6.3	30	56	84	114	145	176
90	1350	1215	7.5	34	64	96	130	165	200
80	1200	1080	9.1	40	74	111	150	191	231
70	1050	945	11.2	47	87	131	177	224	271
60	900	810	14.1	57	106	158	213	268	324
50	750	675	18.1	71	131	196	262	329	396
40	600	540	24.2	93	172	254	338	423	508
30	450	405	34.2	130	237	348	461	574	687
20	300	270	50.4	190	341	496	651	807	964
10	150	135	110.9	298	695	994	1294	1594	1895

Table 5-7 PSI5-2200RT120 & PSI5-2200RT120TAA

LOAD			NUMBER OF EXTERNAL BATTERY CABINETS		LOAD			NUMBER OF EXTERNAL BATTERY CABINETS				
			INTERNAL BATTERY ONLY	1				2	3	4	5	6
%	VA	W	MINUTES		%	VA	W	MINUTES				
100	1920	1920	4.9	27	100	1536	1536	72	111	152	194	237
90	1728	1728	5.9	32	90	1382.4	1382	83	127	174	222	270
80	1536	1536	7.2	37	80	1228.8	1229	96	147	201	255	310
70	1344	1344	8.8	44	70	1075.2	1075	113	173	235	298	362
60	1152	1152	10.9	53	60	921.6	922	137	208	281	356	430
50	960	960	13.9	63	50	768	768	164	248	334	421	508
40	768	768	18.7	87	40	614.4	614	220	330	442	554	667
30	576	576	27.1	123	30	460.8	461	303	450	598	748	897
20	384	384	40.1	177	20	307.2	307	423	624	825	1027	1230
10	192	192	87.9	343	10	153.6	154	808	1174	1542	1909	2277

Table 5-8 PSI5-3000RT120 & PSI5-3000RT120TAA

LOAD			NUMBER OF EXTERNAL BATTERY CABINETS		LOAD			NUMBER OF EXTERNAL BATTERY CABINETS				
			INTERNAL BATTERY ONLY	1				2	3	4	5	6
%	VA	W	MINUTES		%	VA	W	MINUTES				
100	3000	2700	5.6	22	100	2400	2160	54	81	109	138	167
90	2700	2430	6.7	26	90	2160	1944	62	92	124	157	190
80	1536	2160	8.1	30	80	1920	1728	72	107	143	181	219
70	1344	1890	10.1	36	70	1680	1512	85	126	169	213	258
60	1152	1620	12.8	43	60	1440	1296	103	152	203	255	308
50	960	1350	16.7	45	50	1200	1080	129	189	251	315	378
40	768	1080	22.4	72	40	960	864	168	245	324	404	484
30	576	810	32.2	101	30	720	648	233	338	444	551	658
20	384	540	46.3	145	20	480	432	327	470	613	758	902
10	192	270	103.2	313	10	240	216	653	923	1195	1466	1738

Table 5-9 PSI5-5000RT208

LOAD			NUMBER OF EXTERNAL BATTERY CABINETS		LOAD			NUMBER OF EXTERNAL BATTERY CABINETS				
			INTERNAL BATTERY ONLY	1				2	3	4	5	6
%	VA	W	MINUTES		%	VA	W	MINUTES				
100	4250	3825	3	15	100	4000	3600	30	45	60	76	93
90	3825	3443	4	17	90	3600	3240	35	51	69	87	106
80	3400	3060	5	20	80	3200	2880	40	59	79	100	122
70	2975	2678	6	24	70	2800	2520	47	70	93	118	144
60	2550	2295	8	29	60	2400	2160	57	84	113	142	173
50	2125	1913	10	36	50	2000	1800	70	104	139	175	212
40	1700	1530	14	48	40	1600	1440	92	136	181	227	274
30	1275	1178	21	67	30	1200	1080	128	188	249	311	374
20	850	765	34	106	20	800	720	199	288	378	470	560
10	425	383	69	215	10	400	360	358	511	665	819	974

Table 5-10 PSI5-1000RM1201U

LOAD			MINUTES
%	VA	W	
100	1000	900	5.1
90	900	810	5.8
80	800	720	6.9
70	700	630	8.3
60	600	540	10.4
50	500	450	13.4
40	400	360	18.2
30	300	270	26.9
20	200	180	41.9
10	100	90	90.6

Table 5-11 PSI5-1500RM1201U

LOAD			MINUTES
%	VA	W	
100	1500	1350	5.1
90	1350	1215	5.9
80	1200	1080	7.1
70	1050	945	8.5
60	900	810	10.6
50	750	675	13.5
40	600	540	18.4
30	450	405	26.9
20	300	270	41.6
10	150	135	91.2

Table 5-12 PSI5-750MT120

LOAD			MINUTES
%	VA	W	
100	750	675	6.1
90	675	607.5	7.3
80	600	540	8.8
70	525	472.5	10.9
60	450	405	13.8
50	375	337.5	17.7
40	300	270	23.5
30	225	202.5	33.0
20	150	135	48.0
10	75	67.5	92.5

Table 5-13 PSI5-1100MT120

LOAD			MINUTES
%	VA	W	
100	1100	990	4.6
90	990	891	5.6
80	880	792	6.8
70	770	693	8.5
60	660	594	11.0
50	550	495	13.7
40	440	396	18.8
30	330	297	27.5
20	220	198	45.5
10	110	99	107.0

Table 5-14 PSI5-1500MT120

LOAD			MINUTES
%	VA	W	
100	1500	1350	6.3
90	1350	1215	7.5
80	1200	1080	9.1
70	1050	945	11.2
60	990	810	14.1
50	750	675	18.1
40	600	540	24.2
30	450	405	34.2
20	300	270	50.4
10	150	135	110.9

Table 5-15 PSI5-1500RT120LI

LOAD			MINUTES
%	VA	W	
100	1500	1350	7.5
90	1350	1215	8.9
80	1200	1080	10.3
70	1050	945	12.1
60	900	810	14.6
50	750	675	17.7
40	600	540	22.8
30	450	405	30.6
20	300	270	45.3
10	150	135	89.0

Table 5-16 PSI5-2200RT120LI

LOAD			MINUTES
%	VA	W	
100	1920	1920	8.6
90	1728	1728	9.9
80	1536	1536	11.5
70	1344	1344	13.5
60	1152	1152	16.1
50	960	960	19.0
40	768	768	24.5
30	576	576	33.2
20	384	384	48.1
10	192	192	93.6

Table 5-17 PSI5-3000RT120LI

LOAD			MINUTES
%	VA	W	
100	3000	2700	8.9
90	2700	2430	10.5
80	2400	2160	11.9
70	2100	1890	13.9
60	1800	1620	16.5
50	1500	1350	20.0
40	1200	1080	25.5
30	900	810	34.2
20	600	540	49.1
10	300	270	96.6

Table 5-18 PSI5-1500MT120LI

LOAD			MINUTES
%	VA	W	
100	1500	1350	7.5
90	1350	1215	8.9
80	1200	1080	10.3
70	1050	945	12.1
60	900	810	14.6
50	750	675	17.7
40	600	540	22.8
30	450	405	30.6
20	300	270	45.3
10	150	135	89.0