

Symmetra PX 10-40 kVA Battery Cabinets

SLB40XRL and SLB40XR

The SLB40XRL and SLB40XR are line up and match battery cabinets that were specifically designed for inclusion with the Symmetra PX 10-40 kVA UPS. These products were manufactured and tested in accordance with current industry standards.



SLB40XRL



SLB40XR

Dimensions and Weights

Both cabinets house one full string of 32 batteries. The XRL fits into the standard NetShelter dimensions using front-access VRLA batteries (#SLF-12105). The XR uses top-terminal VRLA batteries (#TC-12100S), and has a slightly larger footprint.

PART NO.	DIMENSIONS			WEIGHTS	
	Width	Depth	Height	Empty	Loaded
SLB40XRL	584 mm	897 mm	2070 mm	364 kg	1429 kg
	23 in	35.5 in	81.5 in	800 lb	3150 lb
SLB40XR	864 mm	897 mm	2070 mm	307 kg	1429 kg
	34 in	35.5 in	81.5 in	675 lb	3150 lb

Features and Benefits

The SLB40XRL and SLB40XR offer several interesting and attractive features.

Features:

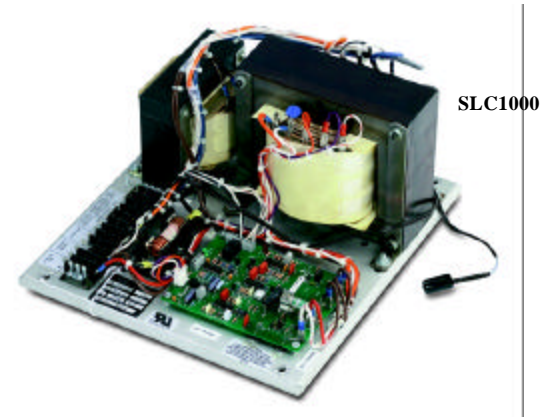
- VRLA Batteries with 10-year Design Life
- Integrated Circuit Breaker
- Casters/Levelling Feet
- Integrated Thermal Management
- UBC Seismic Zone 4 Certified
- Parallel Capability (for up to 6 cabinets)
- Forklift Access
- Meets UL 1778, cUL and CE Requirements
- XR's Top Terminal Battery Design
- XRL's Front Access Battery Design

Benefits:

- Non-spillable, long-running batteries
- Improved safety and serviceability
- Flexibility for repositioning
- Ensures longevity of battery life
- Protection against natural disasters
- Extended battery run time
- Ease of movement
- Worldwide application
- More economical configuration
- Decreased footprint/Easy servicing

Optional SLC1000 Charger

The battery cabinets were designed to accommodate the optional SLC1000, 384 VDC, 5 Amp battery charger. This charger enables a significant reduction in recharge time, particularly when deploying multiple (3+) battery cabinets.



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System Specifications

The SLB40XRL and SLB40XR battery cabinets can easily be hard-wired to the utility supply (if the charger is used), the Symmetra PX UPS and parallel battery cabinets. The following table contains system specifications as they relate to both models.

SYSTEM SPECIFICATIONS

UPS System (Watts)	Battery Load (kW)	Nom. Curr.	Max. Curr.	Float Voltage*	Open Circ. Voltage*	End Volt*
10000	11.2	29.3	33.4	216-220.8	198.4-206.4	168
11200	12.6	32.8	37.5	216-220.8	198.4-206.4	168
12000	13.5	35.1	40.1	216-220.8	198.4-206.4	168
12600	14.2	36.9	42.1	216-220.8	198.4-206.4	168
13300	14.9	38.9	44.5	216-220.8	198.4-206.4	168
14000	15.7	41.0	46.8	216-220.8	198.4-206.4	168
15000	16.9	43.9	50.2	216-220.8	198.4-206.4	168
15400	17.3	45.1	51.5	216-220.8	198.4-206.4	168
16000	18.0	46.8	53.5	216-220.8	198.4-206.4	168
16800	18.9	49.2	56.2	216-220.8	198.4-206.4	168
18000	20.2	52.7	60.2	216-220.8	198.4-206.4	168
20000	22.5	58.5	66.9	216-220.8	198.4-206.4	168
21000	23.6	61.4	70.2	216-220.8	198.4-206.4	168
22400	25.2	65.5	74.9	216-220.8	198.4-206.4	168
24000	27.0	70.2	80.3	216-220.8	198.4-206.4	168
25200	28.3	73.7	84.3	216-220.8	198.4-206.4	168
27000	30.3	79.0	90.3	216-220.8	198.4-206.4	168
28000	31.5	81.9	93.6	216-220.8	198.4-206.4	168
29400	33.0	86.0	98.3	216-220.8	198.4-206.4	168
30000	33.7	87.8	100.3	216-220.8	198.4-206.4	168
32000	36.0	93.6	107.0	216-220.8	198.4-206.4	168
34000	38.2	99.5	113.7	216-220.8	198.4-206.4	168
35000	39.3	102.4	117.0	216-220.8	198.4-206.4	168
36000	40.4	105.3	120.4	216-220.8	198.4-206.4	168
37800	42.5	110.6	126.4	216-220.8	198.4-206.4	168
39200	44.0	114.7	131.1	216-220.8	198.4-206.4	168
40000	44.9	117.0	133.8	216-220.8	216-220.8	168

* Voltage is measured in half-strings from the midpoint to the positive and negative terminals.

Battery Run Times

Up to six SLB40XRL or SLB40XR battery cabinets can be paralleled to a single Symmetra PX UPS as a means of extending battery run times. The run time approximations detailed below are based on the number of cabinets employed.

BATTERY RUN TIMES* (in minutes)

UPS System (Watts)	Battery Load (kW)	No. of Cabinets (Battery Strings)					
		1	2	3	4	5	6
10000	11.2	145	347	550	753	949	1020
11200	12.6	126	301	484	664	845	1013
12000	13.5	114	277	449	618	782	935
12600	14.2	105	260	426	588	744	895
13300	14.9	97	245	401	555	702	845
14000	15.7	91	229	378	524	664	807
15000	16.9	82	208	344	479	618	744
15400	17.3	80	202	335	468	599	719
16000	18.0	76	192	319	449	576	694
16800	18.9	71	181	301	426	544	657
18000	20.2	65	167	277	395	506	611
20000	22.5	57	145	242	349	453	500
21000	23.6	53	137	229	326	426	515
22400	25.2	49	126	210	301	395	479
24000	27.0	44	119	192	277	365	442
25200	28.3	42	105	182	260	344	423
27000	30.3	38	95	167	239	315	389
28000	31.5	36	90	158	227	301	372
29400	33.0	34	85	149	215	283	352
30000	33.7	33	83	145	209	277	330
32000	36.0	30	76	134	192	255	315
34000	38.2	28	70	123	179	237	292
35000	39.3	27	67	119	172	229	283
36000	40.4	26	65	114	167	221	273
37800	42.5	24	61	105	156	207	257
39200	44.0	23	58	99	149	199	246
40000	44.9	22	57	97	145	193	239

* Battery run time can be affected by environmental conditions and the age of the battery.