

93E Battery Run Times July 2013

Model	93E 80									93E 100		93E 120		93E 160		93E 200		93E 300		93E 400		Cabinet Type	Battery Configuration	
	40			60			80			100		120		160		200		300		400				
	kVA	28	32	36	42	48	54	56	64	72	80	90	96	108	128	144	160	180	240	270	320			360
	kW	0.7	0.8	0.9	0.7	0.8	0.9	0.7	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8			0.9
Output PF	0.7	0.8	0.9	0.7	0.8	0.9	0.7	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9	0.8	0.9			
Autonomy in minutes	17	13	11	9	7	6																93EBATL150C40	1 x 40 x PWHR12150W4FR	
	26	22	19	16	13	11	10	8	6													93EBATL200C40	1 x 40 x PWHR12200W4FR	
	45	36	31	25	22	18	17	14	11	9	7	6	5									93EBATL280C40	1 x 40 x PWHR12280W4FR	
	50	40	35	30	25	22	20	17	13	12	9	8	6									93EBATL320D40	1 x 40 x MRX12320WFR	
	62	53	47	39	32	28	27	23	20	16	14	12	10	7	6								93EBATLL390C40	1 x 40 x PWHR12390W4FR
	86	76	67	54	47	40	38	31	28	23	20	18	15	11	9	6							93EBATLL500C40	1 x 40 x PWHR12500W4FR
	95	90	75	60	55	48	48	40	33	30	25	22	20	16	12	9	7						93EBATLL620C40	1 x 40 x XHRL12620WFR
	46	38	31	26	21	19	19	16	13	11	9	7	6										2 x 93EBATL150C40	2 x 40 x PWHR12150W4FR
	69	59	50	40	35	29	28	25	20	17	14	13	10	7	6								2 x 93EBATL200C40	2 x 40 x PWHR12200W4FR
	95	86	76	63	54	48	46	39	34	29	24	22	18	14	12	9	7						2 x 93EBATL280C40	2 x 40 x PWHR12280W4FR
	120	100	90	74	65	54	52	45	37	33	27	25	21	16	14	11	8						2 x 93EBATL320D40	2 x 40 x MRX12320WFR
	130	106	95	83	72	64	62	53	47	42	35	32	29	22	19	16	13	8	6				2 x 93EBATLL390C40	2 x 40 x PWHR12390W4FR
	175	151	134	111	96	89	86	76	67	55	46	45	40	32	28	24	19	12	10	7			2 x 93EBATLL500C40	2 x 40 x PWHR12500W4FR
	220	210	180	150	125	110	105	90	75	72	60	55	47	42	33	30	25	17	15	9	7		2 x 93EBATLL620C40	2 x 40 x XHRL12620WFR
	106	93	86	69	59	50	48	41	35	30	25	22	20	15	13	11	9						3 x 93EBATL200C40	3 x 40 x PWHR12200W4FR
	152	131	115	95	86	75	72	62	55	48	42	39	34	27	22	18	15	9	7	5			3 x 93EBATL280C40	3 x 40 x PWHR12280W4FR
	190	160	145	125	100	90	81	75	65	53	48	41	37	30	25	21	18	12	10	6			3 x 93EBATL320D40	3 x 40 x MRX12320WFR
	205	168	149	130	105	94	90	83	73	65	58	53	47	38	33	28	25	16	14	10	8		3 x 93EBATLL390C40	3 x 40 x PWHR12390W4FR
	273	237	210	173	150	132	127	111	98	86	82	76	67	54	45	40	33	23	19	15	12		3 x 93EBATLL500C40	3 x 40 x PWHR12500W4FR
	310	270	240	240	210	180	180	155	130	110	100	90	80	70	60	52	46	30	25	20	17		3 x 93EBATLL620C40	3 x 40 x XHRL12620WFR
213	184	162	132	113	99	95	86	76	67	58	55	48	39	34	28	24	15	12	9	7		4 x 93EBATL280C40	4 x 40 x PWHR12280W4FR	
250	215	195	155	135	130	125	100	92	79	65	62	52	42	37	32	27	18	15	12	10		4 x 93EBATL320D40	4 x 40 x MRX12320WFR	
273	235	207	169	144	140	135	106	97	88	78	73	65	53	47	42	35	26	21	16	13		4 x 93EBATLL390C40	4 x 40 x PWHR12390W4FR	
374	325	288	238	206	182	175	151	134	118	104	97	86	76	67	60	45	34	30	23	19		4 x 93EBATLL500C40	4 x 40 x PWHR12500W4FR	
410	380	330	280	250	220	220	190	170	150	130	120	110	90	78	75	65	45	40	30	25		4 x 93EBATLL620C40	4 x 40 x XHRL12620WFR	

- Notes:**
- 10 Year design life at 25°C battery with flame retardant
 - Use correct part number suffix for Battery C/B. refer separate table.
 - Run times are at beginning of battery life

Conditions for autonomy definition:
Ambient Temperature: 25°C
E.O.D. voltage 1.75/1.67 Volts Per Cell

Cabinet dimensions:
L = 635W x 835D x 1872H
LL = 1270W* x 835D x 1872
*Shipped in two sections