

93PM 50-200kW External Battery Run Times April 2014

Model	50(100)			80(100)			80(100)			100(100)			120(150)			150(150)			160(200)			200(200)			Cabinet Type	Battery Configuration		
	Load kVA			60			80			100			120			150			160			200						
	40	45	50	48	54	60	64	72	80	80	90	100	96	108	120	120	135	150	128	144	160	160	180	200				
Output PF	0.8	0.9	1.0	0.8	0.9	1.0	0.8	0.9	1.0	0.8	0.9	1.0	0.8	0.9	1.0	0.8	0.9	1.0	0.8	0.9	1.0	0.8	0.9	1.0				
AUTONOMY IN MINUTES	15	12	10	11	9	7	6	5																	93PMBATL200C36XXX	1 x 36 x PWHR12200W4FR		
	17	15	12	13	11	9	8	6	5																93PMBATL200C40XXX	1 x 40 x PWHR12200W4FR		
	25	20	17	19	15	13	12	10	8	8	6	5	5												93PMBATL280C36XXX	1 x 36 x PWHR12280W4FR		
	30	25	20	21	18	15	14	12	10	10	8	6	7	5											93PMBATL280C40XXX	1 x 40 x PWHR12280W4FR		
	29	25	20	21	19	16	15	12	10	10	8	6	6	5												93PMBATL320D36XXX	1 x 36 x MRX12320WFR	
	32	29	25	26	21	19	16	15	12	12	10	8	8	6	5											93PMBATL320D40XXX	1 x 40 x MRX12320WFR	
	38	33	29	30	26	23	20	17	14	14	12	10	11	8	7	7	5									93PMBATLL390C36XXX	1 x 36 x PWHR12390W4FR	
	43	38	33	35	30	26	24	20	17	17	14	12	13	10	8	8	7	5								93PMBATLL390C40XXX	1 x 40 x PWHR12390W4FR	
	50	42	40	41	36	31	28	25	21	21	17	15	16	13	10	11	8	6	9	7	5	5				93PMBATLL500C36XXX	1 x 36 x PWHR12500W4FR	
	60	50	42	45	41	36	33	28	25	25	21	17	18	15	13	13	10	8	12	9	7	7	5			93PMBATLL500C40XXX	1 x 40 x PWHR12500W4FR	
	68	56	51	53	47	41	38	31	27	27	23	19	20	18	15	15	12	9	14	10	8	8	5			93PMBATLL620C36XXX	1 x 36 x XHRL12620WFR	
	70	68	56	60	53	47	43	37	31	31	26	23	25	20	18	18	15	12	16	13	10	10	8	5			93PMBATLL620C40XXX	1 x 40 x XHRL12620WFR
	40	33	30	30	26	23	21	18	15	15	13	11	11	9	7	7	6									2 x 93PMBATL200C36XXX	2 x 36 x PWHR12200W4FR	
	43	40	33	36	30	26	25	21	18	18	15	13	13	11	9	9	7	6								2 x 93PMBATL200C40XXX	2 x 40 x PWHR12200W4FR	
	62	53	47	50	43	37	34	29	25	25	21	18	19	16	13	13	11	9	12	10	8	8	6			2 x 93PMBATL280C36XXX	2 x 36 x PWHR12280W4FR	
	73	62	53	57	50	43	40	34	29	29	25	21	22	18	16	16	13	11	14	12	10	10	8	6			2 x 93PMBATL280C40XXX	2 x 40 x PWHR12280W4FR
	72	62	54	57	48	43	40	34	30	30	25	21	22	19	17	17	14	11	15	13	10	10	8	6			2 x 93PMBATL320D36XXX	2 x 36 x MRX12320WFR
	82	72	62	67	57	48	45	39	34	34	29	25	26	22	19	19	16	14	18	15	13	13	10	8			2 x 93PMBATL320D40XXX	2 x 40 x MRX12320WFR
	88	74	65	69	60	53	49	43	38	38	33	28	30	25	22	22	18	16	20	17	14	14	12	10			2 x 93PMBATLL390C36XXX	2 x 36 x PWHR12390W4FR
	97	88	74	79	69	60	55	49	43	43	38	33	35	30	25	25	22	18	24	20	17	17	14	12			2 x 93PMBATLL390C40XXX	2 x 40 x PWHR12390W4FR
	114	100	90	93	83	75	70	60	49	49	42	40	41	36	31	31	27	23	28	24	21	21	17	15			2 x 93PMBATLL500C36XXX	2 x 36 x PWHR12500W4FR
	130	114	100	106	93	83	77	68	60	60	49	42	44	41	36	36	30	27	33	28	24	24	20	17			2 x 93PMBATLL500C40XXX	2 x 40 x PWHR12500W4FR
	139	120	110	112	102	94	88	76	67	67	57	51	53	47	41	41	35	29	38	31	27	27	23	19			2 x 93PMBATLL620C36XXX	2 x 36 x XHRL12620WFR
	159	139	120	130	112	102	96	88	76	76	67	57	60	53	47	47	40	35	44	38	31	31	27	23			2 x 93PMBATLL620C40XXX	2 x 40 x XHRL12620WFR
	68	57	47	51	43	40	37	31	27	27	23	20	21	17	15	15	13	10	14	11	9	9	7	6			3 x 93PMBATL200C36XXX	3 x 36 x PWHR12200W4FR
	77	67	57	61	50	43	41	36	31	31	27	23	25	21	17	17	15	13	16	13	11	11	9	7			3 x 93PMBATL200C40XXX	3 x 40 x PWHR12200W4FR
	103	91	81	85	74	64	58	50	44	44	38	33	34	29	25	25	21	17	23	19	16	16	13	11			3 x 93PMBATL280C36XXX	3 x 36 x PWHR12280W4FR
	115	102	90	96	84	75	68	58	50	50	44	38	40	34	30	30	25	21	27	23	19	19	16	13			3 x 93PMBATL280C40XXX	3 x 40 x PWHR12280W4FR
	120	104	91	96	84	74	68	57	50	50	43	38	40	34	29	29	25	21	26	23	19	19	16	14			3 x 93PMBATL320D36XXX	3 x 36 x MRX12320WFR
	135	120	108	110	96	84	78	67	57	57	49	43	45	39	34	34	29	24	30	26	23	23	19	16			3 x 93PMBATL320D40XXX	3 x 40 x MRX12320WFR
	141	123	107	114	99	88	82	70	60	60	53	47	49	43	38	38	33	28	35	30	26	26	22	19			3 x 93PMBATLL390C36XXX	3 x 36 x PWHR12390W4FR
	158	138	122	130	112	100	92	81	70	70	60	53	55	49	44	44	38	33	40	35	30	30	26	21			3 x 93PMBATLL390C40XXX	3 x 40 x PWHR12390W4FR
178	160	142	150	132	116	107	94	85	85	75	66	70	59	50	50	42	40	45	41	37	37	31	27			3 x 93PMBATLL500C36XXX	3 x 36 x PWHR12500W4FR	
200	176	160	167	148	132	123	106	93	93	85	76	79	69	60	60	50	43	54	45	41	41	36	31			3 x 93PMBATLL500C40XXX	3 x 40 x PWHR12500W4FR	
212	191	172	180	160	142	131	114	104	104	94	85	88	77	67	67	58	51	62	53	48	48	41	35			3 x 93PMBATLL620C36XXX	3 x 36 x XHRL12620WFR	
235	210	192	198	177	160	150	130	115	115	104	94	98	87	76	76	67	58	72	61	53	53	47	41			3 x 93PMBATLL620C40XXX	3 x 40 x XHRL12620WFR	
159	140	126	131	114	103	96	84	74	74	63	55	57	50	44	44	37	32	40	34	30	30	25	21			4 x 93PMBATL280C40XXX	4 x 40 x PWHR12280W4FR	
187	162	147	152	134	114	111	95	84	84	74	64	67	57	49	49	43	38	46	40	35	35	29	25			4 x 93PMBATL320D40XXX	4 x 40 x MRX12320WFR	
215	185	170	175	156	141	130	110	100	100	87	77	80	69	60	60	52	47	55	49	44	44	38	33			4 x 93PMBATLL390C40XXX	4 x 40 x PWHR12390W4FR	
270	240	225	228	195	175	155	150	132	132	115	102	106	93	84	84	75	66	79	69	60	60	50	43			4 x 93PMBATLL500C40XXX	4 x 40 x PWHR12500W4FR	
320	270	250	255	230	210	198	176	160	160	140	124	130	113	102	102	93	84	98	88	78	78	67	58			4 x 93PMBATLL620C40XXX	4 x 40 x XHRL12620WFR	

Notes:
 10 year design life batteries at 25°C, flame retardant container
 40 Block Battery cabinets can not be paralleled with internal batteries in 50kW frame UPS

Conditions for autonomy definition:
 1. 25°C Ambient
 2. EOD Voltage 1.67V/Cell

Cabinet dimensions:
 L = 635W x 835D x 1872H
 LL = 1270W* x 835D x 1872H

*Shipped in two parts

