

Galaxy VM Modular Battery Cabinet Runtimes in Minutes

Typical battery runtimes in minutes for systems with modular battery cabinets

NOTE: Battery runtimes are intended as an estimate at 0.9 power factor.

Europe
Middle East
Africa



Modular Battery Cabinets	Number of Battery Modules GVMMBTU	160 kVA	200 kVA
(1) GVMMODBCWS	x10	6.7	N/A
	x11	7.8	N/A
	x12	8.8	N/A
(1) GVMMODBCWS (1) GVMMODBCNS	x13	9.9	7.1
	x14	11	7.9
	x15	12	8.8
	x16	13	9.7
	x17	14.5	10.5
	x18	15.5	11.5
(2) GVMMODBCWS	x24	22.5	17
(2) GVMMODBCWS (1) GVMMODBCNS	x30	30	22.5
(3) GVMMODBCWS	x36	38	28.5
(3) GVMMODBCWS (1) GVMMODBCNS	x42	46	34.5
(4) GVMMODBCWS	x48	54	41
(4) GVMMODBCWS (1) GVMMODBCNS	x54	62.5	47.5
(5) GVMMODBCWS	x60	71	54
(5) GVMMODBCWS (1) GVMMODBCNS	x66	79.5	60.5
(6) GVMMODBCWS	x72	88.5	67.5
(6) GVMMODBCWS (1) GVMMODBCNS	x78	97.5	74
(7) GVMMODBCWS	x84	105	81
(7) GVMMODBCWS (1) GVMMODBCNS	x90	115	88
(8) GVMMODBCWS	x96	125	95.5

Example:
160 kVA and 30 minutes runtime then the SKUs to be ordered are:
GVMMODBCWS = 2
+
GVMMODBCNS = 1
+
GVMMBTU = 30

Galaxy VM Classical Battery Cabinet Runtimes in Minutes

NOTE: Battery runtimes are intended as an estimate at 0.9 power factor.

Europe
Middle East
Africa



Applicable for Galaxy VM 200 kVA UPS: GVMSB200KHS and GVMPB200KHS

	SKU Number to Order:	GVMCBCWEA	GVMCBC2NEC	GVMCBC2WEC	GVMCBC2WED	GVMCBC3WEC	GVMCBC3WED
	Contains	1 x 40	2 x 40	2 x 40	2 x 40	3 x 40	3 x 40
% load	kW of load	XP12V2500	XP12V1800	XP12V2500	XP12V3000	XP12V2500	XP12V3000
5%	900 WAC	160.8	246.1	327.7	497.3	506.2	762.4
10%	18000 WAC	82.8	134.4	165.4	250.6	249.3	381.7
15%	27000 WAC	54.3	87.8	112.0	163.5	168.8	256.2
20%	36000 WAC	37.1	63.2	83.7	114.8	124.6	186.6
25%	45000 WAC	27.6	49.0	66.5	88.6	99.7	142.0
30%	54000 WAC	21.7	39.2	54.0	71.8	83.8	114.8
35%	63000 WAC	17.6	32.3	44.1	60.2	71.4	95.7
40%	72000 WAC	14.7	26.5	36.9	51.0	61.9	81.9
45%	81000 WAC	12.5	22.6	32.2	44.7	54.4	72.7
50%	90000 WAC	10.4	18.7	27.5	38.4	46.8	63.4
55%	99000 WAC	9.0	16.4	24.6	34.5	41.9	57.2
60%	108000 WAC	7.6	14.2	21.6	30.7	37.0	51.1
65%	117000 WAC	6.8	13.0	19.9	28.1	34.0	47.2
70%	126000 WAC	6.0	11.8	18.2	25.6	31.1	43.3
75%	135000 WAC	5.2	10.7	16.5	23.0	28.2	39.4
80%	144000 WAC	N/A	9.5	14.7	20.4	25.2	35.4
85%	153000 WAC	N/A	8.8	13.6	19.0	23.6	33.1
90%	162000 WAC	N/A	7.2	11.2	16.0	20.1	28.2
95%	171000 WAC	N/A	6.7	10.6	15.1	19.1	26.8
100%	180000 WAC	N/A	6.6	10.3	14.8	18.7	26.3

At ambient temperature @ 25 °C
All runtimes are given in minutes at 0.9 PF of load

Example:
Requirement is to obtain 20.4 minutes backup time for connecting a 200 kVA UPS (assume 80% load),the SKUs to be ordered **for the backup time** are:
GVMCBC2WED = 1

Classical Battery Cabinet Runtime in Minutes

NOTE: Battery runtimes are intended as an estimate at 0.9 power factor.

Europe
Middle East
Africa



Applicable for Galaxy VM 160 kVA UPS: GVMSB160KHS and GVMPB160KHS

	SKU Number to Order:	GVMCBCWEA	GVMCBC2NEC	GVMCBC2WEC	GVMCBC2WED	GVMCBC3WEC	GVMCBC3WED
	Contains	1 x 40	2 x 40	2 x 40	2 x 40	3 x 40	3 x 40
% load	kW of load	XP12V2500	XP12V1800	XP12V2500	XP12V3000	XP12V2500	XP12V3000
5%	7200 WAC	197.7	327.7	407.9	614.6	637.0	952.1
10%	14400 WAC	103.0	172.7	207.3	317.4	315.7	479.9
15%	21600 WAC	77.9	110.1	138.0	208.3	208.2	318.7
20%	28800 WAC	49.6	80.8	104.0	149.6	156.6	236.8
25%	36000 WAC	37.2	63.4	84.0	115.2	124.9	187.3
30%	43200 WAC	29.8	52.3	70.5	94.6	105.4	152.3
35%	50400 WAC	23.9	42.9	59.2	78.1	89.9	125.0
40%	57600 WAC	20.1	36.4	50.0	67.1	78.8	106.9
45%	6480 0WAC	17.2	31.4	43.0	58.9	70.0	93.7
50%	72000 WAC	14.9	26.9	37.4	51.6	62.6	82.8
55%	79200 WAC	13.1	23.6	33.5	46.4	56.4	75.2
60%	86400 WAC	11.0	19.8	28.9	40.2	49.0	66.1
65%	93600 WAC	9.9	17.9	26.5	37.0	45.1	61.3
70%	100800 WAC	8.8	16.1	24.1	33.9	41.1	56.3
75%	108000 WAC	7.6	14.2	21.7	30.8	37.1	51.2
80%	115200 WAC	7.0	13.3	20.3	28.7	34.7	48.1
85%	122400 WAC	6.3	12.3	18.9	26.6	32.3	44.9
90%	129600 WAC	4.7	10.0	15.4	21.5	26.5	37.1
95%	136800 WAC	N/A	9.6	14.8	20.7	25.5	35.8
100%	144000 WAC	N/A	9.5	14.7	20.4	25.2	35.4

At ambient temperature @ 25 °C
All runtimes are given in minutes at 0.9 PF of load

Modular Battery Cabinet Runtime in Minutes

NOTE: Battery runtimes are intended as an estimate at 0.8 power factor.

China



Modular Battery Cabinets	Modular Battery Cabinet Quantity	Number of Battery Modules – GVMMBTU	160 kVA UPS	200 kVA UPS
GVMMODBCWS	1	x10	8.1	N/A
GVMMODBCWS	1	x11	9.3	N/A
GVMMODBCWS	1	x12	10.5	N/A
GVMMODBCWS	1	x13	11.5	8.5
GVMMODBCNS	1			
GVMMODBCWS	1	x14	13	9.5
GVMMODBCNS	1			
GVMMODBCWS	1	x15	14	10.5
GVMMODBCNS	1			
GVMMODBCWS	1	x16	15.5	11.5
GVMMODBCNS	1			
GVMMODBCWS	1	x17	17	12.5
GVMMODBCNS	1			
GVMMODBCWS	1	x18	18	13.5
GVMMODBCNS	1			
GVMMODBCWS	2	x19	19.5	14.5
GVMMODBCWS	2	x20	21	15.5
GVMMODBCWS	2	x21	22.5	16.5
GVMMODBCWS	2	x22	23.5	17.5
GVMMODBCWS	2	x23	25	18.5
GVMMODBCWS	2	x24	26.5	19.5
GVMMODBCWS	2			
GVMMODBCNS	1	x25	28	21
GVMMODBCWS	2			
GVMMODBCNS	1	x26	29.5	22
GVMMODBCWS	2			

Modular Battery Cabinet Runtimes in Minutes

NOTE: Battery runtimes are intended as an estimate at 0.9 power factor.

Asia Pacific



Modular Battery Cabinets	Number of Battery Modules GVMMBTU	160 kVA	200 kVA
(1) GVMMODBCWS	x10	6.7	N/A
	x11	7.8	N/A
	x12	8.8	N/A
(1) GVMMODBCWS (1) GVMMODBCNS	x13	9.9	7.1
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