

# MGE Galaxy 300i– Battery Runtimes

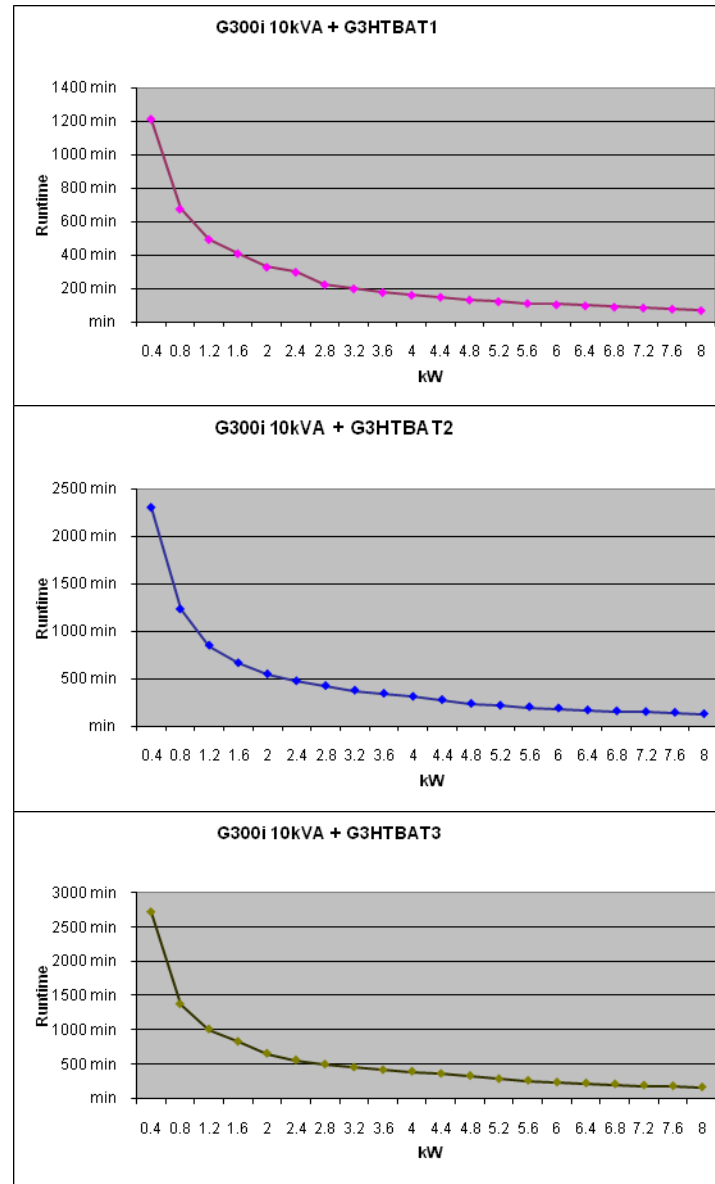
## UPS with long backup charger and external battery cabinet options

kVA	UPS (3:1) Model Number	UPS (3:3) Model Number	Battery Cabinet Model Number	Typical runtime 70% load	Typical Runtime 100% load
10	G3HTI10K3ILS	G3HTI10KHLS	G3HTBAT1 G3HTBAT2 G3HTBAT3	113 min 203 min 267 min	73 min 130 min 170 min
15	G3HTI15K3ILS	G3HTI15KHLS	G3HTBAT1 G3HTBAT2 G3HTBAT3	65 min 121 min 173 min	42 min 80 min 115 min
20	G3HTI20K3ILS	G3HTI20KHLS	G3HTBAT2 G3HTBAT3	86 min 120 min	58 min 74 min
30	G3HTI30K3ILS	G3HTI30KHLS	G3HTBAT2 G3HTBAT3	55 min 71 min	30 min 40 min
40	N/A	G3HTI40KHLS	G3HTBAT3	53 min	30 min
Battery Cabinet Dimension (HxWxD): 1300x660x850mm G3HTBAT1 is composed of 1 cabinet ; G3HTBAT2 and G3HTBAT3 are composed of 2 cabinets Runtime values based on Power Factor 0.8 Runtimes are estimates					

# MGE Galaxy 300i- 10kVA – Runtime Table

			Runtime estimation in minutes		
% load	kVA	kW	Galaxy 300i 10kVA + G3HTBAT1	Galaxy 300i 10kVA + G3HTBAT2	Galaxy 300i 10kVA + G3HTBAT3
5%	0,5	0,4	1213 min	2298 min	2724 min
10%	1	0,8	677 min	1230 min	1383 min
15%	1,5	1,2	495 min	850 min	1016 min
20%	2	1,6	411 min	666 min	834 min
25%	2,5	2	329 min	549 min	662 min
30%	3	2,4	300 min	476 min	565 min
35%	3,5	2,8	225 min	425 min	503 min
40%	4	3,2	201 min	378 min	460 min
45%	4,5	3,6	179 min	344 min	422 min
50%	5	4	163 min	312 min	400 min
55%	5,5	4,4	150 min	278 min	367 min
60%	6	4,8	134 min	238 min	336 min
65%	6,5	5,2	124 min	219 min	291 min
70%	7	5,6	113 min	204 min	268 min
75%	7,5	6	106 min	190 min	242 min
80%	8	6,4	99 min	170 min	229 min
85%	8,5	6,8	91 min	160 min	215 min
90%	9	7,2	86 min	153 min	197 min
95%	9,5	7,6	80 min	145 min	187 min
100%	10	8	71 min	130 min	170 min

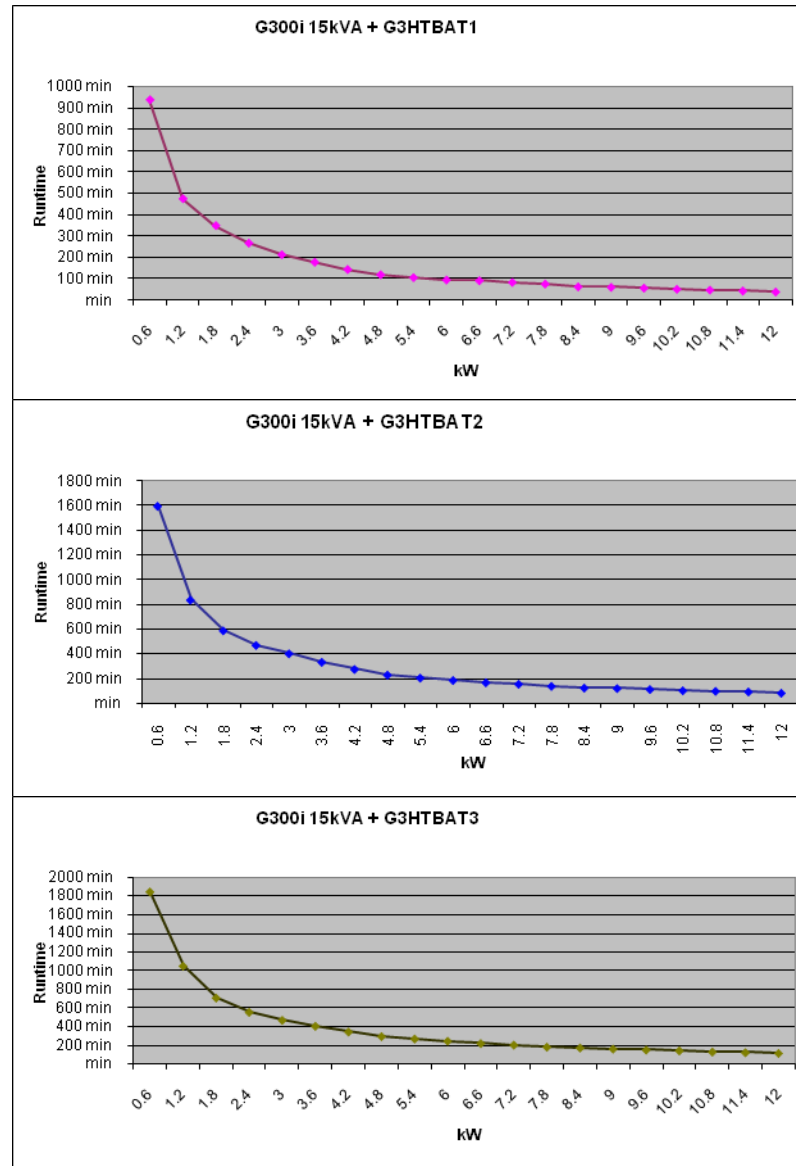
# MGE Galaxy 300i- 10kVA – Runtime Curves



# MGE Galaxy 300i- 15kVA – Runtime Table

Runtime estimation in minutes					
% load	kVA	kW	Galaxy 300i 15kVA + G3HTBAT1	Galaxy 300i 15kVA + G3HTBAT2	Galaxy 300i 15kVA + G3HTBAT3
5%	0, 75	0, 6	939 min	1597 min	1841 min
10%	1, 5	1, 2	477 min	835 min	1048 min
15%	2, 25	1, 8	352 min	586 min	707 min
20%	3	2, 4	270 min	468 min	555 min
25%	3, 75	3	216 min	400 min	469 min
30%	4, 5	3, 6	181 min	331 min	405 min
35%	5, 25	4, 2	147 min	273 min	344 min
40%	6	4, 8	122 min	227 min	295 min
45%	6, 75	5, 4	109 min	202 min	270 min
50%	7, 5	6	98 min	183 min	246 min
55%	8, 25	6, 6	94 min	165 min	220 min
60%	9	7, 2	87 min	153 min	204 min
65%	9, 75	7, 8	79 min	136 min	182 min
70%	10, 5	8, 4	66 min	122 min	174 min
75%	11, 25	9	64 min	118 min	162 min
80%	12	9, 6	60 min	110 min	152 min
85%	12, 75	10, 2	55 min	100 min	143 min
90%	13, 5	10, 8	51 min	95 min	130 min
95%	14, 25	11, 4	47 min	90 min	123 min
100%	15	12	42 min	80 min	115 min

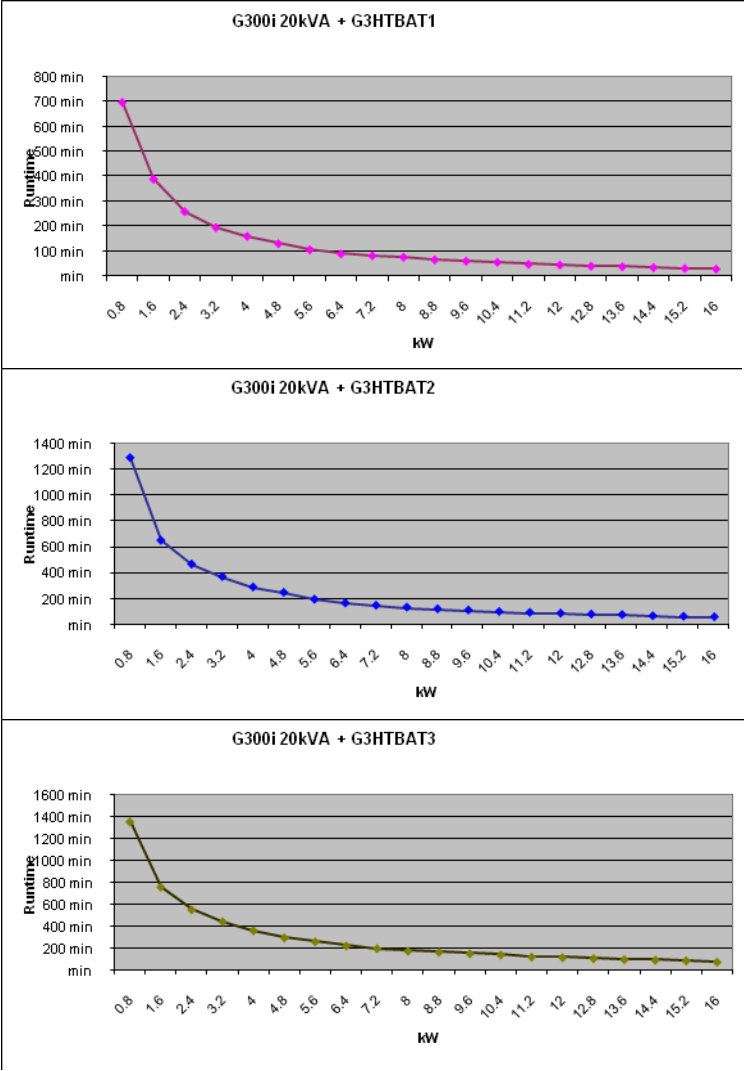
# MGE Galaxy 300i- 15kVA – Runtime Curves



# MGE Galaxy 300i- 20kVA – Runtime Table

			Runtime estimation in minutes		
% load	kVA	kW	Galaxy 300i 20kVA + G3HTBAT1	Galaxy 300i 20kVA + G3HTBAT2	Galaxy 300i 20kVA + G3HTBAT3
5%	1	0,8	698 min	1287 min	1353 min
10%	2	1,6	389 min	649 min	759 min
15%	3	2,4	259 min	465 min	552 min
20%	4	3,2	195 min	369 min	443 min
25%	5	4	160 min	288 min	361 min
30%	6	4,8	130 min	247 min	295 min
35%	7	5,6	105 min	193 min	260 min
40%	8	6,4	89 min	165 min	222 min
45%	9	7,2	82 min	147 min	197 min
50%	10	8	76 min	132 min	174 min
55%	11	8,8	65 min	120 min	165 min
60%	12	9,6	60 min	110 min	151 min
65%	13	10,4	55 min	99 min	140 min
70%	14	11,2	47 min	92 min	121 min
75%	15	12	44 min	86 min	116 min
80%	16	12,8	40 min	79 min	107 min
85%	17	13,6	37 min	75 min	98 min
90%	18	14,4	34 min	65 min	92 min
95%	19	15,2	30 min	62 min	86 min
100%	20	16	28 min	58 min	74 min

# MGE Galaxy 300i- 20kVA – Runtime Curves

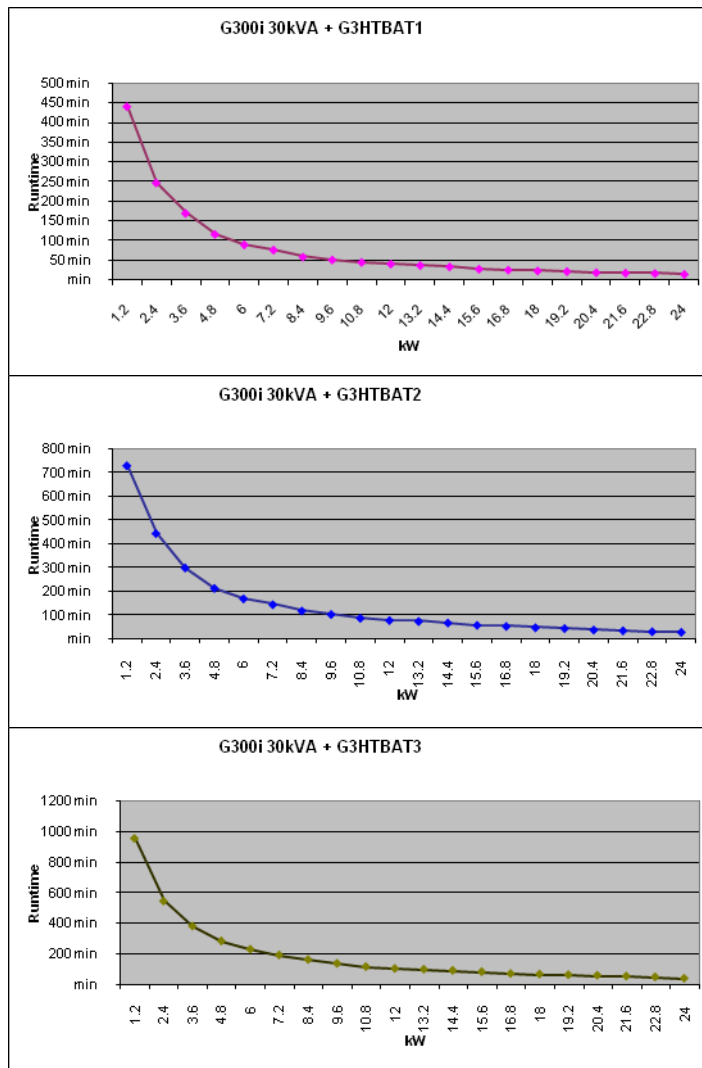


# MGE Galaxy 300i- 30kVA – Runtime Table

			Runtime estimation in minutes		
% load	kVA	kW	Galaxy 300i 30kVA + G3HTBAT1	Galaxy 300i 30kVA + G3HTBAT2	Galaxy 300i 30kVA + G3HTBAT3
5%	1, 5	1, 2	442 min	732 min	960 min
10%	3	2, 4	248 min	447 min	548 min
15%	4, 5	3, 6	171 min	302 min	384 min
20%	6	4, 8	118 min	216 min	286 min
25%	7, 5	6	91 min	172 min	232 min
30%	9	7, 2	78 min	147 min	194 min
35%	10, 5	8, 4	60 min	120 min	164 min
40%	12	9, 6	53 min	106 min	138 min
45%	13, 5	10, 8	47 min	90 min	117 min
50%	15	12	42 min	80 min	105 min
55%	16, 5	13, 2	38 min	76 min	100 min
60%	18	14, 4	35 min	70 min	92 min
65%	19, 5	15, 6	29 min	60 min	84 min
70%	21	16, 8	27 min	55 min	72 min
75%	22, 5	18	25 min	50 min	68 min
80%	24	19, 2	23 min	46 min	64 min
85%	25, 5	20, 4	21 min	40 min	60 min
90%	27	21, 6	19 min	37 min	55 min
95%	28, 5	22, 8	18 min	33 min	49 min
100%	30	24	16 min	30 min	40 min



# MGE Galaxy 300i- 30kVA – Runtime Curves



# MGE Galaxy 300i- 40kVA – Runtime Table

			Runtime estimation in minutes		
% load	kVA	kW	Galaxy 300i 40kVA + G3HTBAT1	Galaxy 300i 40kVA + G3HTBAT2	Galaxy 300i 40kVA + G3HTBAT3
5%	2	1,6	379 min	632 min	809 min
10%	4	3,2	189 min	334 min	427 min
15%	6	4,8	118 min	216 min	286 min
20%	8	6,4	86 min	162 min	215 min
25%	10	8	63 min	126 min	171 min
40%	16	12,8	53 min	106 min	139 min
35%	14	11,2	43 min	86 min	112 min
40%	16	12,8	36 min	74 min	94 min
45%	18	14,4	32 min	62 min	84 min
50%	20	16	29 min	55 min	75 min
55%	22	17,6	26 min	51 min	70 min
60%	24	19,2	24 min	45 min	64 min
65%	26	20,8	21 min	40 min	59 min
70%	28	22,4	18 min	32 min	54 min
75%	30	24	16 min	31 min	49 min
80%	32	25,6	15 min	29 min	46 min
85%	34	27,2	14 min	28 min	42 min
90%	36	28,8	11 min	26 min	38 min
95%	38	30,4	11 min	24 min	35 min
100%	40	32	10 min	21 min	31 min

# MGE Galaxy 300i- 40kVA – Runtime Curves

