

MOTOR
APPLIANCE
CORPORATION

555 SPIRIT OF ST. LOUIS BLVD
ST. LOUIS, MO 63005
636-532-3406
636-532-4609 FAX
1-800-622-3406



SERIES 100M-MAGNUM II
INDUSTRIAL BATTERY CHARGERS

DATA SHEET

SINGLE (S) PHASE, 60HZ

NEW 070606

MODEL	CELL	AMP HR	PHASE	DC	AC INPUT AMPS					SHIP WT.
	(VOLTAGE)	VOLTAGE		AMPS	120	208	240	480	600	LBS (KG)
6M150SHF35	6 (12V)	-150	S	30	4.9	2.8	2.4			50 (23)
6M150SJF35	6 (12V)	-150	S	30		2.8	2.4	1.2		
6M150SLF35	6 (12V)	-150	S	30			2.4	1.2	1.0	
6M225SHF35	6 (12V)	151-225	S	45	7.3	4.2	3.7			54 (24)
6M225SJF35	6 (12V)	151-225	S	45		4.2	3.7	1.8		
6M225SLF35	6 (12V)	151-225	S	45			3.7	1.8	1.5	
6M325SHF35	6 (12V)	226-325	S	65	10.6	6.1	5.3			57 (26)
6M325SJF35	6 (12V)	226-325	S	65		6.1	5.3	2.6		
6M325SLF35	6 (12V)	226-325	S	65			5.3	2.6	2.1	
6M400SHF35	6 (12V)	326-400	S	80	13.0	7.5	6.5			61 (28)
6M400SJF35	6 (12V)	326-400	S	80		7.5	6.5	3.3		
6M400SLF35	6 (12V)	326-400	S	80			6.5	3.3	2.6	
6M450SHF35	6 (12V)	401-450	S	90	14.6	8.4	7.3			65 (29)
6M450SJF35	6 (12V)	401-450	S	90		8.4	7.3	3.7		
6M450SLF35	6 (12V)	401-450	S	90			7.3	3.7	2.9	
6M525SHG35	6 (12V)	451-525	S	105	17.1	9.8	8.5			85 (39)
6M525SJG35	6 (12V)	451-525	S	105		9.8	8.5	4.3		
6M525SLG35	6 (12V)	451-525	S	105			8.5	4.3	3.4	
6M650SHG35	6 (12V)	526-650	S	130	21.1	12.2	10.6			105 (48)
6M650SJG35	6 (12V)	526-650	S	130		12.2	10.6	5.3		
6M650SLG35	6 (12V)	526-650	S	130			10.6	5.3	4.2	
6M750SJG35	6 (12V)	651-750	S	150		14.1	12.2	6.1		130 (59)
6M750SLG35	6 (12V)	651-750	S	150			12.2	6.1	4.9	
6M825SJG35	6 (12V)	751-825	S	165		15.5	13.4	6.7		160 (73)
6M825SLG35	6 (12V)	751-825	S	165			13.4	6.7	5.4	
12M150SHF35	12 (24V)	-150	S	30	9.8	5.6	4.9			52 (24)
12M150SJF35	12 (24V)	-150	S	30		5.6	4.9	2.4		
12M150SLF35	12 (24V)	-150	S	30			4.9	2.4	2.0	
12M225SHF35	12 (24V)	151-225	S	45	14.6	8.4	7.3			59 (28)
12M225SJF35	12 (24V)	151-225	S	45		8.4	7.3	3.7		
12M225SLF35	12 (24V)	151-225	S	45			7.3	3.7	2.9	
12M325SHF35	12 (24V)	226-325	S	65	21.1	12.2	10.6			71 (32)
12M325SJF35	12 (24V)	226-325	S	65		12.2	10.6	5.3		

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SERIES 100M-MAGNUM II

DATA SHEET

INDUSTRIAL BATTERY CHARGERS

SINGLE (S) PHASE, 60HZ

NEW 070606

MODEL	CELL	AMP HR	PHASE	DC	AC INPUT AMPS					SHIP WT.
	(VOLTAGE)	VOLTAGE		AMPS	120	208	240	480	600	LBS (KG)
12M325SLF35	12 (24V)	226-325	S	65			10.6	5.3	4.2	
12M400SJF35	12 (24V)	326-400	S	80		15.0	13.0	6.5		78 (35)
12M400SLF35	12 (24V)	326-400	S	80			13.0	6.5	5.2	
12M450SJF35	12 (24V)	401-450	S	90		16.9	14.6	7.3		95 (43)
12M450SLF35	12 (24V)	401-450	S	90			14.6	7.3	5.9	
12M525SJG35	12 (24V)	451-525	S	105		19.7	17.1	8.5		98 (44)
12M525SLG35	12 (24V)	451-525	S	105			17.1	8.5	6.8	
12M575SJG35	12 (24V)	526-575	S	115		21.6	18.7	9.3		
12M575SLG35	12 (24V)	526-575	S	115			18.7	9.3	7.5	
12M650SJG35	12 (24V)	576-650	S	130		24.4	21.1	10.6		106 (48)
12M650SLG35	12 (24V)	576-650	S	130			21.1	10.6	8.5	
12M750SJG35	12 (24V)	651-750	S	150		28.1	24.4	12.2		135 (61)
12M750SLG35	12 (24V)	651-750	S	150			24.4	12.2	9.8	
12M825SJG35	12 (24V)	751-825	S	165		30.9	26.8	13.4		165 (75)
12M825SLG35	12 (24V)	751-825	S	165			26.8	13.4	10.7	
18M150SHF35	18 (36V)	-150	S	30	14.6	8.4	7.3			70 (32)
18M150SJF35	18 (36V)	-150	S	30		8.4	7.3	3.7		
18M150SLF35	18 (36V)	-150	S	30			7.3	3.7	2.9	
18M225SHF35	18 (36V)	151-225	S	45	21.9	12.7	11.0			77 (35)
18M225SJF35	18 (36V)	151-225	S	45		12.7	11.0	5.5		
18M225SLF35	18 (36V)	151-225	S	45			11.0	5.5	4.4	
18M325SJG35	18 (36V)	226-325	S	65		18.3	15.8	7.9		85 (39)
18M325SLG35	18 (36V)	226-325	S	65			15.8	7.9	6.3	
18M400SJG35	18 (36V)	326-400	S	80		22.5	19.5	9.8		92 (42)
18M400SLG35	18 (36V)	326-400	S	80			19.5	9.8	7.8	
18M450SJG35	18 (36V)	401-450	S	90		25.3	21.9	11.0		100 (45)
18M450SLG35	18 (36V)	401-450	S	90			21.9	11.0	8.8	
18M525SJG35	18 (36V)	451-525	S	105		29.5	25.6	12.8		109 (49)
18M525SLG35	18 (36V)	451-525	S	105			25.6	12.8	10.2	
18M575SJG35	18 (36V)	526-575	S	115		32.3	28.0	14.0		121 (55)
18M575SLG35	18 (36V)	526-575	S	115			28.0	14.0	11.2	
18M650SJG35	18 (36V)	576-650	S	130		36.6	31.7	15.8		133 (60)

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SINGLE (S) PHASE, 60HZ

NEW 070606

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	(VOLTAGE)	VOLTAGE		AMPS	120	208	240	480	600	LBS (KG)
18M650SLG35	18 (36V)	576-650	S	130			31.7	15.8	13.7	
18M750SJG35	18 (36V)	651-750	S	150		42.2	36.6	18.3		146 (66)
18M750SLG35	18 (36V)	651-750	S	150			36.0	18.3	14.6	
18M825SLG35	18 (36V)	751-825	S	165			40.2	20.1	16.1	170 (77)
24M325SJG35	24 (48V)	226-325	S	65		24.4	21.1	10.6		88 (40)
24M325SLG35	24 (48V)	226-325	S	65			21.1	10.6	8.5	
24M400SJG35	24 (48V)	326-400	S	80		30.0	26.0	13.0		95 (43)
24M400SLG35	24 (48V)	326-400	S	80			26.0	13.0	10.4	
24M450SJG35	24 (48V)	401-450	S	90		33.7	29.3	14.6		101 (46)
24M450SLG35	24 (48V)	401-450	S	90			29.3	14.6	11.7	
24M525SJG35	24 (48V)	451-525	S	105		39.4	34.1	17.1		129 (59)
24M525SLG35	24 (48V)	451-525	S	105			34.1	17.1	13.7	
24M650SRG35	24 (48V)	526-650	S	130				21.2	16.9	137 (62)

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MODEL DESIGNATION

EXAMPLE: 24 _ M _ 650 _ S _ R _ G _ 35 _

24 = Number of Cells
 S = Single Phase

M = Magnum Brand Name
 R = AC Input Voltage
 35 = Charger Control

650 = AMP Hour Capacity
 G = Cabinet

AC INPUT
 VOLTAGE CODES

H = 120/208/240 - 60 HZ
 J = 208/240/480 - 60 HZ
 L = 240/480/600 - 60HZ
 R = 480/600 - 60HZ

CABINET INFORMATION

CODE	HEIGHT	WIDTH	DEPTH
F =	22.62"	14.16"	14.14"
G =	25.06"	20.19"	21.48"

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THREE (T) PHASE, 60 HZ

NEW 070606

MODEL	CELL (VOLTAGE)	AMP HR RANGE	PHASE	DC AMPS	AC INPUT AMPS				SHIP WT. LBS (KG)
					208	240	480	600	
6M325TJH35	6 (12V)	226-325	T	65	3.8	3.3	1.6		125 (57)
6M325TLH35	6 (12V)	226-325	T	65		3.3	1.6	1.3	
6M400TJH35	6 (12V)	326-400	T	80	4.6	4.0	2.0		129 (59)
6M400TLH35	6 (12V)	326-400	T	80		4.0	2.0	1.6	
6M450TJH35	6 (12V)	401-450	T	90	5.2	4.5	2.3		135 (61)
6M450TLH35	6 (12V)	401-450	T	90		4.5	2.3	1.8	
6M525TJH35	6 (12V)	451-525	T	105	6.1	5.3	2.7		139 (63)
6M525TLH35	6 (12V)	451-525	T	105		5.3	2.7	2.1	
6M650TJH35	6 (12V)	526-650	T	130	7.5	6.5	3.3		140 (64)
6M650TLH35	6 (12V)	526-650	T	130		6.5	3.3	2.6	
6M750TJH35	6 (12V)	651-750	T	150	8.7	7.5	3.8		153 (69)
6M750TLH35	6 (12V)	651-750	T	150		7.5	3.8	3.0	
6M825TJH35	6 (12V)	751-825	T	165	9.5	8.3	4.1		174 (79)
6M825TLH35	6 (12V)	751-825	T	165		8.3	4.1	3.3	
6M900TJH35	6 (12V)	826-900	T	180	10.4	9.0	4.5		195 (88)
6M900TLH35	6 (12V)	826-900	T	180		9.0	4.5	3.6	
6M1050TJH35	6 (12V)	901-1050	T	210	12.1	10.5	5.3		208 (94)
6M1050TLH35	6 (12V)	901-1050	T	210		10.5	5.3	4.2	
6M1200TJH35	6 (12V)	1051-1200	T	240	13.8	12.0	6.0		214 (97)
6M1200TLH35	6 (12V)	1051-1200	T	240		12.0	6.0	4.8	
Separator									
12M150TJH35	12 (24V)	-150	T	30	3.5	3.1	1.5		139 (63)
12M150TLH35	12 (24V)	-150	T	30		3.1	1.5	1.2	
12M225TJH35	12 (24V)	151-225	T	45	5.2	4.5	2.3		146 (66)
12M225TLH35	12 (24V)	151-225	T	45		4.5	2.3	1.8	
12M325TJH35	12 (24V)	226-325	T	65	7.5	6.5	3.3		155 (70)
12M325TLH35	12 (24V)	226-325	T	65		6.5	3.3	2.6	
12M400TJH35	12 (24V)	326-400	T	80	9.2	8.0	4.0		159 (72)
12M400TLH35	12 (24V)	326-400	T	80		8.0	4.0	3.2	
12M450TJH35	12 (24V)	401-450	T	90	10.4	9.0	4.5		162 (73)
12M450TLH35	12 (24V)	401-450	T	90		9.0	4.5	3.6	
12M525TJH35	12 (24V)	451-525	T	105	12.1	10.5	5.3		165 (75)
12M525TLH35	12 (24V)	451-525	T	105		10.5	5.3	4.2	
12M575TJH35	12 (24V)	526-575	T	115	13.3	11.5	5.8		170 (77)
12M575TLH35	12 (24V)	526-575	T	115		11.5	5.8	4.6	

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SERIES 100M-MAGNUM II

DATA SHEET

INDUSTRIAL BATTERY CHARGERS

THREE (T) PHASE, 60 HZ

NEW 070606

MODEL	CELL (VOLTAGE)	AMP HR RANGE	PHASE	DC AMPS	AC INPUT AMPS				SHIP WT. LBS (KG)
					208	240	480	600	
12M650TJH35	12 (24V)	576-650	T	130	15	13	6.5		173 (78)
12M650TLH35	12 (24V)	576-650	T	130		13.0	6.5	5.2	
12M750TJH35	12 (24V)	651-750	T	150	17.3	15.0	7.5		192 (87)
12M750TLH35	12 (24V)	651-750	T	150		15.0	7.5	6.0	
12M825TJH35	12 (24V)	751-825	T	165	19.0	16.5	8.3		203 (92)
12M825TLH35	12 (24V)	751-825	T	165		16.5	8.3	6.6	
12M900TJH35	12 (24V)	826-900	T	180	20.8	18.0	9.0		214 (97)
12M900TLH35	12 (24V)	826-900	T	180		18.0	9.0	7.2	
12M1050TJH35	12 (24V)	901-1050	T	210	24.2	21.0	10.5		227 (103)
12M1050TLH35	12 (24V)	901-1050	T	210		21.0	10.5	8.4	
12M1200TJH35	12 (24V)	1051-1200	T	240	27.7	24.0	12.0		242 (110)
12M1200TLH35	12 (24V)	1051-1200	T	240		24.0	12.0	9.6	
12M1350TJH35	12 (24V)	1201-1350	T	270	31.2	27.0	13.5		249 (113)
12M1350TLH35	12 (24V)	1201-1350	T	270		27	13.5	10.8	
18M225TJH35	18 (36V)	151-225	T	45	7.8	6.8	3.4		150 (68)
18M225TLH35	18 (36V)	151-225	T	45		6.8	3.4	2.7	
18M325TJH35	18 (36V)	226-325	T	65	11.3	9.8	4.9		160 (73)
18M325TLH35	18 (36V)	226-325	T	65		9.8	4.9	3.9	
18M400TJH35	18 (36V)	326-400	T	80	13.8	12.0	6.0		165 (75)
18M400TLH35	18 (36V)	326-400	T	80		12.0	6.0	4.8	
18M450TJH35	18 (36V)	401-450	T	90	15.6	13.5	6.8		173 (78)
18M450TLH35	18 (36V)	401-450	T	90		13.5	6.8	5.4	
18M525TJH35	18 (36V)	451-525	T	105	18.2	15.8	7.9		192 (87)
18M525TLH35	18 (36V)	451-525	T	105		15.8	7.9	6.3	
18M575TJH35	18 (36V)	526-575	T	115	19.9	17.3	8.6		215 (98)
18M575TLH35	18 (36V)	526-575	T	115		17.3	8.6	6.9	
18M650TJH35	18 (36V)	576-650	T	130	22.5	19.5	9.8		225 (102)
18M650TLH35	18 (36V)	576-650	T	130		19.5	9.8	7.8	
18M750TJH35	18 (36V)	651-750	T	150	26.0	22.5	11.3		235 (107)
18M750TLH35	18 (36V)	651-750	T	150		22.5	11.3	9.0	
18M825TJH35	18 (36V)	751-825	T	165	28.6	24.8	12.4		245 (111)
18M825TLH35	18 (36V)	751-825	T	165		24.8	12.4	9.9	
18M900TJH35	18 (36V)	826-900	T	180	31.2	27.0	13.5		260 (118)

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THREE (T) PHASE, 60 HZ

NEW 070606

MODEL	CELL	AMP HR	PHASE	DC	AC INPUT AMPS				SHIP WT.
	(VOLTAGE)	VOLTAGE		AMPS	208	240	480	600	LBS (KG)
18M900TLH35	18 (36V)	826-900	T	180		27.0	13.5	10.8	
18M1050TJH35	18 (36V)	901-1050	T	210	36.3	31.5	15.8		295 (134)
18M1050TLH35	18 (36V)	901-1050	T	210		31.5	15.8	12.6	
18M1200TJH35	18 (36V)	1051-1200	T	240	41.5	36.0	18.0		315 (143)
18M1200TLH35	18 (36V)	1051-1200	T	240		36.0	18.0	14.4	
18M1350TLH35	18 (36V)	1201-1350	T	270		40.5	20.3	16.2	330 (150)
18M1750TRJ35	18 (36V)	1351-1750	T	350			26.3	21.0	360 (163)
24M325TJH35	24 (48V)	226-325	T	65	15.0	13.0	6.5		183 (83)
24M325TLH35	24 (48V)	226-325	T	65		13.0	6.5	5.2	
24M400TJH35	24 (48V)	326-400	T	80	18.5	16.0	8.0		196 (89)
24M400TLH35	24 (48V)	326-400	T	80		16.0	8.0	6.4	
24M450TJH35	24 (48V)	401-450	T	90	20.8	18.0	9.0		209 (95)
24M450TLH35	24 (48V)	401-450	T	90		18.0	9.0	7.2	
24M525TJH35	24 (48V)	451-525	T	105	24.2	21.0	10.5		223 (101)
24M525TLH35	24 (48V)	451-525	T	105		21.0	10.5	8.4	
24M650TJH35	24 (48V)	526-650	T	130	30.0	26.0	13.0		241 (109)
24M650TLH35	24 (48V)	526-650	T	130		26.0	13.0	10.4	
24M750TJH35	24 (48V)	651-750	T	150	34.6	30.0	15.0		259 (117)
24M750TLH35	24 (48V)	651-750	T	150		30.0	15.0	12.0	
24M825TJH35	24 (48V)	751-825	T	165	38.1	33.0	16.5		265 (120)
24M825TLH35	24 (48V)	751-825	T	165		33.0	16.5	13.2	
24M900TJH35	24 (48V)	826-900	T	180	41.5	36.0	18.0		277 (126)
24M900TLH35	24 (48V)	826-900	T	180		36.0	18.0	14.4	
24M1050TLH35	24 (48V)	901-1050	T	210		42.0	21.0	16.8	301 (137)
24M1200TRJ35	24 (48V)	1051-1200	T	240			24.0	19.2	332 (151)
24M1350TRJ35	24 (48V)	1201-1350	T	270			27.0	21.6	365 (166)
36M225TJH35	36 (72V)	-225	T	45	15.6	13.5	6.8		205 (93)
36M225TLH35	36 (72V)	-225	T	45		13.5	6.8	5.4	
36M325TJH35	36 (72V)	226-325	T	65	22.5	19.5	9.8		216 (98)
36M325TLH35	36 (72V)	226-325	T	65		19.5	9.8	7.8	
36M450TJH35	36 (72V)	326-450	T	90	31.2	27.0	13.5		242 (110)

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INDUSTRIAL BATTERY CHARGERS

THREE (T) PHASE, 60 HZ

NEW 070606

MODEL	CELL	AMP HR	PHASE	DC	AC INPUT AMPS				SHIP WT.
	(VOLTAGE)	VOLTAGE		AMPS	208	240	480	600	LBS (KG)
36M450TLH35	36 (72V)	326-450	T	90		27.0	13.5	10.8	
36M525TJH35	36 (72V)	451-525	T	105	36.3	31.5	15.8		256 (116)
36M525TLH35	36 (72V)	451-525	T	105		31.5	15.8	12.6	
36M650TLH35	36 (72V)	526-650	T	130		39.0	19.5	15.6	278 (126)
36M750TRJ35	36 (72V)	651-750	T	150			22.5	18.0	300 (136)
36M825TRJ35	36 (72V)	751-825	T	165			24.8	19.8	325 (147)
36M900TRJ35	36 (72V)	826-900	T	180			27.0	21.6	345 (156)
40M325TJH35	40 (80V)	226-325	T	65	25.0	21.7	10.8		230 (104)
40M325TLH35	40 (80V)	226-325	T	65		21.7	10.8	8.7	
40M450TJH35	40 (80V)	326-450	T	90	34.6	30.0	15.0		261 (118)
40M450TLH35	40 (80V)	326-450	T	90		30.0	15.0	12.0	
40M650TRH35	40 (80V)	451-650	T	130			21.7	17.3	280 (127)

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MODEL DESIGNATION

EXAMPLE: 40 M 650 T R H 35

40 = Number of Cells
T = Three Phase

M = Magnum Brand Name
R = AC Input Voltage
35 = Charger Control

650 = AMP Hour Capacity
H = Cabinet

AC INPUT

VOLTAGE CODES

J = 208/240/480 - 60 HZ
 L = 240/480/600 - 60 HZ
 R = 480/600 - 60 HZ

CABINET INFORMATION

CODE HEIGHT WIDTH DEPTH

H = 25.06" 27.16" 24.22"
 J = 32.00" 32.50" 24.25"