

12 Feb 2021
10:22:07

La Marche Mfg. Co.
Bill of Material Listing
for 141536 Rev A03
A31-5K-120V-A6-100N-02672
as of 02-12-21

Page 1
BOM.CR2

Part.Number	Quantity	Ref Designator
Li# Description.....	Unit.Meas	Notes.....
1 131106 1E3B3-01U11-A-131091 CK (A31-5K-120V-A6) 96N, 100N	2.0000	L1 EA PARALLEL
2 139789 2F7C7-1701H-A-139111 PT (A31-5K-120V-A6) 100N	1.0000	PT EA
3 110998 H31-9D-08-1 Wiring Harness 9D Case	1.0000	EA
4 119722 H31-9EAC-8-22-119477 Wiring Harness 9E Case	1.0000	EA
5 14244 P1DA-M75-H13S DC AMMETER (0-75) 2% HIGH TORQUE, 2 1/2" WINDOW	1.0000	DCA EA ACC06C
6 67361 P1DV-M160-H5S DC VOLTMETER (0-160) 2% HIGH TORQUE, 2 1/2"	1.0000	DCV EA ACC06D
7 14508 P1S-E75-M50M AMMETER SHUNT 75 AMP 50 MV	1.0000	S EA
8 59160 P11A-1C3F-0101 NEG DC GLASTIC	1.0000	TS-D EA
9 65080 P11F-1C3F-0101 POS DC GLASTIC	1.0000	TS-D EA
10 11881 P15-A130 COPPER BUS BAR DC OUTPUT	2.0000	EA
11 67478	4.0000	

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Page 2
BOM.CR2

Part.Number	Quantity	Ref	Designator
Li# Description.....	Unit.Meas	Notes.....	
P15-A160 METER MOUNTING BRACKET ALUMINIZED STEEL		EA FOR	DCV & DCA
12 67520 P15-F429A FAN BRACKET 9E/9D CASE ANSI 61-Grey	1.0000	EA	
13 14715 P21V-N200-L3 150Vac / 200Vdc CONTIN. 80Joules	1.0000	MOV-1	EA
14 67500 P22B-1D3-A1AQ P.B.SWITCH SPDT MOMENTARY PUSH BUTTON SWICH- SPST,	1.0000	PCS	EA
15 14840 P22T-1B1-B1A SWITCH, 1P2T, TOGGLE	1.0000	SW-1	EA
16 41035 P25-LSAA31-1-A SPL.ADDENDUM INST.FOR A31 UNITS	1.0000	MANUAL	EA
17 67431 P2A-200-11KM2 CAP 200VDC 11KMF+/-10% 3.000"D X 5.625"H	5.0000	C2	EA
18 104993 P2B-660-30R FILMET CAP 660VAC 30MFD TYPE POLYPROPYLENE FILM	3.0000	C1	EA
19 15160 P2D-400-0.47S9 FILM CAPAC 400 VDC - 0.47 MFD ESR= 3.363ohms @ 1KHz	1.0000	C3	EA
20 88396 P3-9D-M09A HEATSINK COVER PLT. -#9D CASE	1.0000	EA MOUNT UNDER	S1E-2T10-0101
22 142230 P3-9E-A11A	1.0000	CASE	EA

Part.Number	Quantity	Ref Designator
Li# Description.....	Unit.Meas	Notes.....
#9E CASE COMPLETE, A31 NO DOOR, 120VAC OUTPUT		
23 134076 P3-9E-D25A-S1 A31 DOOR / #9E CASE, SILK W/DIGITAL AC DISPLAY,	1.0000 EA	DOOR
25 126441 P4-ABBA1N-80C2 CIRCUIT BREAKER, 2 POLE 80	1.0000 EA	DCB
26 18710 P4-WQC-50A2 CIRCUIT BREAKER 2P,50A QC2050 CIRCUIT BREAKER	1.0000 EA	ACB
27 18774 P4M-WQC-2 MOUNTING BRKT FOR 2 POLE QC BREAKER	1.0000 EA	
28 18996 P5B-20H-3R3 BARRIER TERM. STRIP-3	1.0000 EA	TS-B
29 19092 P5E-160E-6A4T MODULAR TERMINAL BLOCK 3P Max Breaker Size: 80Amp	1.0000 EA	TS-A
30 67502 P5L--2E1 FAN CORD FOR ETRI FAN 18 GAUGE WIRE BLACK 24" LONG	1.0000 EA FOR FAN	
31 20008 P6M-100E-50V RESISTOR 100 WATT 50 OHM VAR. ADJUSTABLE WIREWOUND	1.0000 EA REMOVE SLIDER	R
32 20151 P6M-50C-1KB RESISTOR 50 WATT 1K OHM 10% FIX.	1.0000 EA	RB
33 20415 P7C-3 RIBBON CABLE CLAMP	2.0000 EA	

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Page 4
BOM.CR2

Part.Number	Quantity	Ref Designator
Li# Description.....	Unit.Meas	Notes.....
34 20425 P7CB-3 CAP BRACKET FOR 1.969"W X 3.656"L UNIVERSAL	5.0000 EA	FOR C1
35 67501 P7FAN-1 AC TUBE AXIAL FAN 120VAC 115VAC, 50/60 HZ, 11W,	1.0000 EA	FAN
36 20653 P7JUM-1 JUMPER-MODULAR TERMINAL BLOCK	1.0000 EA	
37 20751 P7LUG-P969-3 CONNECTOR (#14 - #2 GA.)	1.0000 EA	FOR GND
38 20755 P7LUG-P969-7 CONNECTOR 2/0 - 14 WIRE RANGE	2.0000 EA	FOR DC INPUT
39 20840 P7NB-5 NYLON SNAP BUSHING, 1.50" MTG. HOLE I. D. 1.312"	3.0000 EA	
40 103458 P7NB-14 NYLON SNAP BUSHING 1.125"D. MTG HOLE	3.0000 EA	
41 21252 P8-D1-B1 FUSE (D) 250V 1A 3AG	1.0000 EA	F2
42 21425 P8B-D1D1-B30 FUSE BLOCK, ONE POLE	1.0000 EA	FOR F2
43 126409 S1E-2T10-0102 120VDC EXTRUD. HSINK ASSY IGBT (2) MODULES FOR 44	1.0000 EA	HS IGBT1 IGBT2
44 136740	1.0000	S2A-167S

Part.Number	Quantity	Ref	Designator
Li# Description.....	Unit.Meas	Notes.....	
S2A-167S-0416B IGBT CONTROL BOARD ASSY SURFACE MOUNT - LONG CARD	EA		
45 88547 S2A-172-0103 REV. POLARITY/READY 120V CIRCUIT BD, (2) LEDS	1.0000 EA	S2A-172	
46 42515 S2A-250-0102 A31, 120VDC, SNUBBER BD. ASSY STAND OFF MTG	1.0000 EA	S2A-250	
47 106884 S4C-9E-1 HARDWARE KIT FOR 9E CASE- A31 UNITS	1.0000 EA		
48 100520 S4F-47B-A1 BYPASS ASSEMBLY.	1.0000 EA	S2C-1	
49 42558 S4H-5-3D-7.25H CAP BUS KIT 5-3"D X 7.25H	1.0000 EA	FOR C2	
50 105054 S4R-50W-4 KIT FOR MTG. (1) 50W RES. W/THREADED ROD AND	1.0000 EA	FOR RB	
51 109984 S6-22P/S-5K-A6-22A-22D STATIC SWITCH KIT 5K, A6 W/22A RELAY PACKAGE AND	1.0000 EA	S.S. KIT ACC22A ACC22D ACC22P	
52 38007 P12C-MCTAG-0513E9 1" X 4" PHENOLIC LABEL-WHITE/BLACK CORE	1.0000 EA	SEE SALES ORDER FOR I.D. TAG INFORMATION ACC09V	
53 15040 P2B-660-1C2 OIL FILL CAP 660VAC 1MFD TYPE PAPER OIL	1.0000 EA	C4	
54 20423 P7CB-1	1.0000 EA	FOR C4, MOUNT ON BACK	

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Page 6
BOM.CR2

Part.Number	Quantity	Ref	Designator
Li# Description.....	Unit.Meas	Notes.....	
			SCREEN
55 108859	1.0000	22D	MANUAL
P25-LOPT22D-1	EA		
INSTRUCTIONS FOR			
22D OPTION			
56 135841	1.0000		
P11FN-12D10D-0101	EA	FOR C1	CAPS
NOMEX INSULATOR			
BETWEEN TRANSFORMER AND			
57 125352	2.0000	C1	
P2B-660-35R	EA		
FILMET CAP 660VAC 35MFD			
TYPE POLYPROPYLENE FILM			
58 134074	1.0000		
P12C-A31SUTAG-2901E9	EA	ON DOOR	
A31 START UP LABEL			
-LAMINATED & ENGRAVED			
59 110746	1.0000		
S4R-100W-4	EA	FOR R	
KIT FOR MTG 100 WATT RES			
W/THREADED ROD AND			

Drawing Numbers: E31-677-10-2
*
D9E-11-20-2
*
PIC-S1E-2T09/10-01
(3 SHEETS)
*
S4-BL31-9E-5D
*
S4-A31-9E-141536
*
S4-P3-9E-S05X-1
(C4 PLACEMENT DWG)
*

12 Feb 2021
10:22:07

La Marche Mfg. Co.
Recommended Spare Parts Effective 02-12-21
for 141536 Rev A03 Spare Level A
A31-5K-120V-A6-100N-02672

Page 1
BOM.CR2

Part.Number.....	Description.....	Qty.....	UM	Level
21252 P8-D1-B1	FUSE (D) 250V 1A 3AG	1.0000	EA	A
110189 S2A-306-0106	ASSY OF THE IGBT 120VDC DRIVER BOARD (MAIN BD.)	1.0000	EA	A
136740 S2A-167S-0416B	IGBT CONTROL BOARD ASSY SURFACE MOUNT - LONG CARD	1.0000	EA	A
21173 P8-C2-B50	FUSE (C) 250V 50A	1.0000	EA	A
118803 S2A-166A-0301	STATIC SWITCH PWR. SUPPLY AUX. EXT. DC INPUT	1.0000	EA	A
119763 S2A-239CS-0111	DIGITAL STATIC SWITCH, SERIAL PORT E/W 2 EEPROMS	1.0000	EA	A
141488 S2A-244S-0101	STATIC SWITCH DRIVE BOARD ASSY.	1.0000	EA	A