

Pack Mechanical BOM

Qty	LFEV/McMaster Part	Description	Unit Price	Total Price
1	8975K64	Aluminum Bar (0.5"x1.0")	\$ 22.67	\$ 22.67
5	L49	Battery Terminal Connectors	-	-
1	L71	Fuse Air Bridge	-	-
1	L50	Battery Terminal U Strap	-	-
1	89155K44	Aluminum Sheet (0.5" thick)	\$ 71.84	\$ 71.84
1	L38	End Plate	-	-
1	L23	Battery Holder End	-	-
1	L37	End Plate	-	-
2	L23	Battery Holder End	-	-
1	L77	Vertical Board Holder	-	-
1	L1	Base Plate	-	-
1	L45	Battery Holder Long	-	-
1	L44	Battery Holder Long	-	-
1	L64	Top Plate	-	-
1	89155K72	Aluminum Sheet (1.0" thick)	\$ 59.60	\$ 59.60
1	L27	Battery Air Bridge	-	-
1	L94	Battery Fuse Bridge	-	-
2	L16	Air Connector Bridge Negative	-	-
1	L71	Fuse Air Bridge	-	-
1	8983K42	Stainless Steel (0.06" thick)	\$ 14.74	\$ 14.74
1	L9	Panel Mount Positive	-	-
1	L10	Panel Mount Negative	-	-
1	8667K219	Flame-Retardant Garolite (G-10/FR4), 5/8" Thick, 12" x 12"	\$ 69.34	\$ 69.34
1	L72	AIR Spacer	-	-
1	L5	PCB Mount Board	-	-
1	8975K213	Multipurpose 6061 Aluminum, 3/8" Thick x 6" Width x 3' Length	\$ 49.12	\$ 49.12
1	8975K213	Multipurpose 6061 Aluminum, 3/8" Thick x 6" Width x 6' Length	\$ 86.18	\$ 86.18
2	8975K443	Multipurpose 6061 Aluminum, Rectangular Bar, 1/4" x 8", 2' long	\$ 32.12	\$ 64.24
2	8560K356	Optically Clear Cast Acrylic Sheet	\$ 40.60	\$ 81.20
1	L52	Pack Back	-	-

Pack Electrical BOM

Qty	Gigavac Part	Description	Unit Price	Total Price
2	GX14CB	Relay (AIRs) 350A Contactor, 24VDC coil, 24-in flying leads, no auxiliary contact	\$ 94.35	\$ 188.70
2	P105CDA	Relay (charging) 50A miniTactor, 24VDC coil	\$ 40.00	\$ 80.00

Qty	Zoro Tools Part	Description	Unit Price	Total Price
1	G3475534	Fuse,200A,Class T,A3T,300VAC/160VDC	\$ 28.00	\$ 85.02
1	G1878003	Fuse Holder,200A AC,300V,1 Pole,Molded	\$ 65.00	\$ 65.13

Qty	Newark Part	Description	Unit Price	Total Price
1	Newark 44W4361	PANEL DRAIN, LINE 3, GREY	\$ 55.88	\$ 55.88
1	Newark 44W4365	PANEL SOURCE, NEUTRAL, BLUE	\$ 55.88	\$ 55.88

Qty	Mouser Part	Description	Unit Price	Total Price
2	576-0505030.MXP	Littelfuse 500V 30A 3AB Fuse	\$ 3.29	\$ 6.58
2	504-BK/HKP-R	Cooper Bussmann AGC 30A/250V Fuse Holder	\$ 4.12	\$ 8.24
2	571-14807030	Pin & Socket Connectors CAP HOUSE 4 POS	\$ 0.28	\$ 0.56
1	571-14807050	Pin & Socket Connectors CAP HOUSE 6 POS	\$ 0.23	\$ 0.23
11	571-3506891	Pin & Socket Connectors SOCKET 24-18 AWG	\$ 0.07	\$ 0.77
7	571-3506901	Pin & Socket Connectors PIN 24-18 AWG	\$ 0.09	\$ 0.63
4	538-19070-0121	Insul. Ring Terminal, 10-12 AWG, #8/M4 stud	\$ 0.20	\$ 0.80
4	571-32950	Insul. Ring Terminal, 18 AWG, #6/M3 stud	\$ 0.29	\$ 1.16
1	879-4827G6-BK	PPMX 2-PIECE BLACK HOUSING	\$ 1.08	\$ 1.08
2	879-4802G3	PPMX SOCKET CONTACT 20-24 AWG	\$ 1.57	\$ 3.14
2	879-4803G3	PPMX PIN CONTACT 20-24 AWG	\$ 1.76	\$ 3.52
1	879-1827GA-BK	PP15/45 GROUND HOUSING GREEN	\$ 0.47	\$ 0.47
1	879-1327FP-BK	PP15/45 FINGERPROOF HOUSING RED	\$ 0.40	\$ 0.40
1	879-1327G6FP-BK	PP15/45 FINGERPROOF HOUSING BLACK	\$ 0.34	\$ 0.34
2	879-261G2	PP45 REELED CONTACT #10-14 AWG, TIN	\$ 0.14	\$ 0.28
1	879-1470G1-BK	PP PAK 4P HOUSING SNAP-IN RECEPT	\$ 0.75	\$ 0.75
1	879-115G1	PP PAK 4P HARDWARE PAK (strain relief and retention pin)	\$ 1.30	\$ 1.30
1	5912-4414F	Fans 119x25 24DC 100CFM 5W 2900RPM 43dBA BB	\$ 33.58	\$ 33.58
1	562-09450M30	Fan Accessories 30 PPI FOAM MEDIA 5/PACK	\$ 2.20	\$ 2.20
1	562-0945030	Fan Accessories BLK FLTR ASSM 4.65"	\$ 2.08	\$ 2.08
1	562-09123-G	Fan Accessories PLASTIC GUARD 120MM	\$ 1.21	\$ 1.21
1	651-5602099	15mm DIN Rail Perf	\$ 9.45	\$ 9.45
17	651-3100305	MT1.5 Feed-Thru DIN Rail Terminal Block	\$ 2.62	\$ 44.54
2	651-3001682	MT1.5 Twin DIN Rail Terminal Block	\$ 4.51	\$ 9.02
2	651-3100318	MT1.5 PE Ground Din Rail Terminal Block	\$ 8.21	\$ 16.42
2	651-3100321	MT1.5 End Plate	\$ 0.77	\$ 1.54
1	651-3002979	MT1.5 Twin End Plate	\$ 1.32	\$ 1.32
5	651-1402940	MBK5/EZ Feed-Thru DIN Rail Terminal Block	\$ 3.08	\$ 15.40
2	651-1415021	MBK5/EZ End Plate	\$ 0.95	\$ 1.90
4	651-1421659	DIN 15 End Clamp	\$ 1.26	\$ 5.04
1	651-0203276	FBI 10-10 Fixed Bridge	\$ 13.89	\$ 13.89
1	908-MSD04GCS4P-1TM	MICRO SD CARD 4GB CLASS 10 INDUSTRIAL	\$ 10.54	\$ 10.54
1	763-NHD-0420E2ZFLYBW	20x4 Character LCD Display	\$ 27.18	\$ 27.18
1	538-70543-0013	14x1 SL header	\$ 3.00	\$ 3.00
1	538-50-57-9414	14x1 SL plug	\$ 0.89	\$ 0.89

1	156-1409-E	D-SUB CRIMP FEMALE 9P	\$	0.56	\$	0.56
9	156-1401-E	D-SUB CRIMP PIN FM	\$	0.10	\$	0.90
1	164-9007-E	IDC SOCKET 14 PIN W/STRAIN RELIEF	\$	0.65	\$	0.65
1	164-9008-E	IDC SOCKET 16 PIN W/STRAIN RELIEF	\$	0.61	\$	0.61
3	579-MCP9700A-E/TO	MCP9700 Linear Thermistor Temp Sensor TO-92-3	\$	0.31	\$	0.93
1	644-G.75X.75LG6-1	Wire Ducting TYPE G .75 X .75 6-FOOT SECTION	\$	28.70	\$	28.70

McMaster Part

Qty	McMaster Part	Description		Unit Price		Total Price
3	9257T14	Temperature Indicating Hot Labels (10 per pack)	\$	9.32	\$	27.96
1	5891T631	High Voltage Sticker (10 per pack)	\$	9.33	\$	9.33
2	7171A23	Heat-Transfer Insulating Tape	\$	24.60	\$	49.20