Line	Vendor	Quantity	Part Number	Description	Price	Extended
1	JLCPCB	5	-	Submarine H-Bridge Motor Driver PCB	$46.3080	$231.54
2	OSH Park	3	-	Controller PCB	$15.30	$45.90
3	OSH Park	3	8ktWRktq	Battery Bank test PCB	$1.23	$3.70
4	Sparkfun	10	PRT-138189	18650 Lithium-Ion cells	$6.95	$69.50
5	Jameco	2	232022	12 V DC Motor	$4.041	$8.08
6	Lowes	1	AC3603-BE-V1	Cat-6 Ethernet Cable	$6.98	$6.98
7	Adafruit	1	4754	9-DOF IMU	$24.95	$24.95
8	Adafruit	2	245	2-axis Joystick	$9.95	$19.90
9	Amazon	1	6453681	ELECROW Display for Raspberry Pi	$55.99	$55.99
10	Amazon	1	B09XRG6LXG	18 Gauge twisted pair cable 16.4'	$9.99	$9.99
11	Amazon	1	B075D3BMKF	4S2P Battery Management System	$8.99	$8.99
12	Amazon	1	B07KSQY67X	2S Battery Management System	$9.49	$9.49
13	Amazon	1	B07D5RRXTS	Kapton Tape	$10.99	$10.99
14	Amazon	2	B07B7G1KRX	IP57 Charger Connector	$9.99	$19.98
15	Amazon	3	B00C4QVTNU	Variable Voltage Regulator	$10.45	$31.35
16	Amazon	1	B015Y6JOUG	Jumper Wire connectors	$10.99	$10.99
17	Amazon	2	B0BFHZ9XYX	12V/24V Anti-spark power switch	$9.99	$19.98
18	Amazon	1	B09NX39NWR	10k Ohm Linear Resistors	$11.99	$11.99

19	DigiKey	2	PM25L-075-035	Stepper Motor	$21.83	$43.66
20	DigiKey	2	497-17688-ND	STM32 Nucleo-144 STM32L4R5ZI	$20.42	$40.84
21	DigiKey	6	296-47909-ND	Bi-Polar Motor Driver	$6.26	$37.56
22	DigiKey	10	399-14719-1-ND	0.1uF 50V Ceramic Capacitor	$0.439	$4.39
23	DigiKey	10	478-KGM32LR51E476MUCT-ND	47uF 25V Ceramic Capacitor	$2.153	$21.53
24	DigiKey	10	1608-1210Y050010KSTCT	1210 50V 100nF Capacitor	$0.469	$4.69
25	DigiKey	10	478-KGM32LR72A474KUCT-ND	0.47uF 100V Ceramic Capacitor	$0.341	$3.41
26	DigiKey	10	478-KGM32ECG1H103FUCT-ND	10000pF 50V Ceramic Capacitor	$2.047	$20.47
27	DigiKey	10	13-RC1210JR-0710KLCT-ND	10k Ohm Resistor	$0.065	$0.65
28	DigiKey	10	A130635CT-ND	1M Ohm Resistor	$0.146	$1.46
29	DigiKey	10	RCWE.68FCT-ND	0.68 Ohm Resistor	$0.376	$3.76
30	DigiKey	10	RCWE.43FCT-ND	0.43 Ohm Resistor	$0.461	$4.61
31	DigiKey	3	AP72512RF-ND	12 Ohm 20 W Resistor	$6.19	$18.57
32	DigiKey	2	2648-SC0195(9)-ND	Raspberry Pi 4B 8GB	$75.00	$0.00
33	DigiKey	1	497-17328-ND	Nucleo-L452RE-P for Controller	$15.96	$0.00
34	Walmart	1	960-000694	Webcam	$23.99	$23.99
TOTAL						**$829.88**