Category	Description	Total Cost
Batteries and	Batteries, Chargers, Fusing,	
Electrical	Relays	\$1,345
Materials and	6061 Aluminum, Rivets, Bolts,	
Fasteners	Polycarbonate	\$1,021
Wheels, Tires,	Maxxis Tires, Odyssey	
Tubes and Brakes	Wheels	\$1,260
Driver Equipment	Helmets, Seatbelts, Gloves	\$445
Computer Controlled	Digital Controller, Wheel	
Propulsion System	Motor, Throttles	\$950

Total Electrathon Estimate

\$5,021

		Batteries and Electrical Access	sories		
Item No.	Description	Specifications	Unit Cost	Quantity	Total Cost
1	Batteries	PowerSonic PSH12180 21AH AGM 13.3 pounds high impact ABS plastic case Advanced Glass Mat Nut & Bolt Terminal - 5 mm hole opening	\$50	10	\$500
2	Fuse Holders	Inline fuse holder for ATC fuses #12AWG Leads	\$4	5	\$20
3	Fuses	40Amp ATC	\$2	10	\$20
4	Battery charger	Battery Charger, Shutoff Charger, UL Rated Amps 12V/10A, UL Rated Amps 24V/5A, Manual 12/24V	\$100	2	\$200
5	Insulated Battery Box	40 Quart Igloo or Coleman Wheeled Marine Cooler	\$150	1	\$150
	Wire	Hook Up Wire 12AWG 65 Strand 600V (25'ea Red, Black, Blue and White)	\$1	100	\$100
6	Wire Ties	Assorted 7" and 12" UV Rated	\$10	1	\$10
7	DPDT Power Relay	24VDC 30Amp Inductive, 24VDC Coil	\$30	2	\$60
8	Switch	SPST	\$5	2	\$10
9	PolyCarbonate Enclosure	3"x4"x6"	\$15	2	\$30
10	Insulated Spade Connectors	12AWG M/F/Ring Tongue	\$15	3	\$45

11	Inline 2' GFCI Cord	GFCI, Current Rating 15 Amps, Voltage Rating 120 Volts, Reset Type Manual, NEMA Plug Configuration 5-15P, NEMA Receptacle Configuration 5-15R	\$60	1	\$60
12	100' Extension Cord	Extension Cord, Tri-Source, Indoor/Outdoor, Cord Length 100 Ft, Gauge/Conductor 12/3, Max Amps 15, Voltage Rating 125, Watts 1875, Jacket Type PVC	\$125	1	\$125
13	Current Shunt	30Amp 75Mv	\$15	1	\$15
		Batte	eries and Electrical Accessories Su	bsection Total	\$1,345

		Materials and Fastener	S		
Item No.	Item	Specifications	Unit Cost	Quantity	Total Cost
14	6061 Aluminum Square Tubing	1.5"x1.5"x1/8"x8'	\$32	12	\$384
15	6061 Aluminum Sheet	4'x8' x 1/16" thick sheet	\$192	1	\$192
16	6061 Aluminum angle	2"x2"x1/8"x8' stick	\$24	1	\$24
17	6061 Aluminum plate	4"x1/8"x8' stick	\$24	1	\$24
18	Aluminum Rivets box	1/8" to 1/4" grip range AB6-4A	\$30	1	\$30
19	Polycarbonate Sheet	4'x8' x 1/16" thick sheet	\$50	2	\$100
20	Grade 8 Hex Bolts 5/16"x18TPIx 2.5"	box 50ea	\$15	2	\$30
21	Grade 8 Hex Bolts 5/16"x18TPIx 3.5"	box 25ea	\$11	4	\$44
22	Grade 8 Hex Bolts 5/16"x18TPIx 4"	box 25ea	\$15	2	\$30
23	Grade 8 Flat Washers USS	box 50ea	\$7	4	\$28
24	Grade 8 Flat Washers SAE	box 50ea	\$5	4	\$20

25	Grade 8 Hex Nuts nylon insert 5/16"x18TPI	box 50ea	\$18	4	\$72
26	Aluminum 6063 Square Tubing	1'x1'x1/16"x8'	\$12	2	\$24
27	1/2" Aluminum Conduit	10' stick	\$19	1	\$19
			Subtotal Materials	and Fasteners	\$1,021

		Wheels, Tires, Tubes and	Brakes		
Item No.	Item	Specifications	Unit Cost	Quantity	Total Cost
28	Tires	Maxxis Hookwoom 20"x1.95" 115PSI	\$18	5	\$90
29	Tubes	Maxxis Extra Heavy Duty	\$18	5	\$90
30	Wheels	Odyssey Hazard Lite 48H BMX 20" Front Wheel	\$200	3	\$600
31	BMX Brake Assembly	Left/Right	\$40	3	\$120
32	20"Fork	chromoly	\$120	3	\$360
			Subtotal Wheels, Tires, Tub	es and Brakes	\$1,260

		Driver Equipment			
33	Full Face Helmet	DoT/Snell Standard	\$150	2	\$300
34	5 Point Harness	SFI 16.1 Certification w/ Cam release	\$145	1	\$145
				Subtotal Driver Equipment	\$445
		Computer Controlled Propulsi	ion System		
35	Wheel Motor	Computer Controlled Propuls 48Volt, 40Amp Brushless	ion System \$440	1 1	\$440
35 36	Wheel Motor Digital Controller			1 1	\$440 \$300
		48Volt, 40Amp Brushless	\$440	1 1 1	

\$950	Computer Controlled Propulsion System Subtotal
\$5,02	Total Electrathon Cost
	Total Electrathon Cost