

PART DESCRIPTION	SOURCE	QUAN/Chair	COST/Chair	TOTAL
Frame and Wheels				
Fisher-Price Deluxe Sit-Me-Up Floor Seat	Amazon	1	\$42.99	\$42.99
24" X 24" X 0.250" Thick Black Foam PVC Sintra	Amazon	1	\$19.67	\$19.67
FactorDuty 24 Pack Caster Swivel Plate On Blue Polyurethane Wheels (2" no Brake)	Amazon	4	\$6.33	\$37.99
TOBWOLF 8 Pack 64mm/70mm/76mm, 82A/84A Inline Skate Wheels with ABEC-7 Bearing	Amazon	2	\$6.25	\$24.99
			Sub Total	Sub Total
			\$75.24	\$125.64
Battery Box and Electronics				
Joystick Motor Controller board Kit	Openwheelchair.org	1	\$139.95	\$139.95
Pair of 12V 45mm planetary gear head motors with 10mm shaft diameter, GEAR-MOTOR-PAIR	Openwheelchair.org	1	\$59.95	\$59.95
Ogrmar Plastic Dustproof IP65 Junction Box DIY Case Enclosure (8"x 6"x 4")	Amazon	1	\$15.99	\$15.99
4 Packs Power Socket Sidewall Port Connector Compatible with SAE Weatherproof Quick Connect Panel Mount Flush Mountable Connector 12awg Cable with 16 Screws for Solar Generator Battery Charger	Amazon	1	\$4.00	\$15.99
LeMotech 20 Pack NPT 1/2" Cable Glands Waterproof Adjustable 6-12mm Cable Connectors Black Nylon Joints with Gaskets	Amazon	1	\$0.70	\$13.99
Universal Power Group 12V 5AH SLA Battery Replacement for ION Audio Explorer IPA23B PA System	Amazon	1	\$19.99	\$19.99
Unocho 12 Volt Battery Charger 750mA Smart Automatic Battery Charger and maintainer Intelligent trickle Charger for Automotive car Motorcycle Lawn Mower Boat ATV Sealed Lead Acid Batteries	Amazon	1	\$21.69	\$21.69
2x4 Inch Hook and Loop Strips with Adhesive - Velcro	Amazon	2	\$0.69	\$6.85
			Sub Total	Sub Total
			\$262.95	\$294.40
Hardware				
Hillman 180291 Pronged Tee Nut, 8-32, 100-Pack, Zinc	Amazon	30	\$3.90	\$12.99
8-32 x 3/4" Button Head Socket Cap Bolts Screws, Stainless Steel 18-8 (304), Bright Finish, Allen Hex Drive	Amazon	26	\$2.34	\$8.99
8-32 X 2" Stainless Pan Head Phillips Machine Screw (25 pc) 18-8 (304) Stainless Steel Screws by Bolt Dropper	Amazon	4	\$1.12	\$6.99
binifiMux 100pcs SAE #8-32 304 Stainless Steel Hex Nuts Lock Nuts	Amazon	4	\$0.29	\$7.36
Small Parts M410D7985AB Steel Pan Head Machine Screw, Black Oxide Finish, Meets DIN 7985, #2 Phillips Drive, M4-0.7 Thread Size, 10 mm Length, Fully Threaded, Import (Pack of 100)	Amazon	8	\$0.40	\$5.03
Zip Ties 4 inch, Small Zip Ties with 18 lb Tensile Strength, Black, 200 Pack, by Tantti Supply	Amazon	1	\$0.02	\$3.99
JQK #6 x 1-1/2" Black Screw, Flat Head Phillips Wood Screw 18-8 S/S Electroplating Black Stainless Steel, 6 x 1-1/2-Inch, 100-Piece, SB3540-P100	Amazon	6	\$0.48	\$7.99
			Sub Total	Sub Total
			\$8.55	\$53.34
3D prints - recommend using PETG or other material that will not deform on a hot day				
Joystick Adapter - 20% infill, 17 g	3D Print	1	\$1.13	\$1.13
Motor Cover - 20% infill, 56 g	3D Print	2	\$9.89	\$9.89
Motor Cover Center - 20% infill, 79 g	3D Print	1	\$3.73	\$3.73
Spacer - 20% infill, 7 g	3D Print	4	\$1.84	\$1.84
Wheel Clamp Inner - 60% infill, 10 g	3D Print	2	\$1.26	\$1.26
Wheel Clamp Outer - 20% infill, 5 g	3D Print	2	\$0.66	\$0.66
			Sub Total	Sub Total
			\$18.51	\$18.51
Note: Many items can be purchased in much smaller quantities than what is listed for a single build! (ex: package size is 100, but you only need 6 of the #6 x 1-1/2" screws)				
			COST/EACH	Total Cost
			\$365.25	\$491.89