Team	Part Name	Purpose	Link	Total Cost (USD)	Quantity	Comments
Electrical	12.8V 50Ah LiFePO4 Battery	Docking station accumulator	Link	$160	1	
Electrical	12.8V 10Ah LiFePO4 Battery	Rover accumulator	Link	$50	1	
Firmware	Mechanical Buttons	Buttons on the microcontroller that send different signals to the transciever	Link	$6.50	1	
Electrical	N/a	100W Monocrystalline Solar Panel	Link	$80	1	
Electrical	Powerwerx DC-DC-8A	Battery DC-DC Charge Controller	Link	$70	1	
Electrical	N/a	Eco-Worthy Solar Charge Controller	Link	$109		
Mechanical	Plastic Sheeting	Waterproofing Cone Extension	Link	$7.00	1	
Mechanical	N/a	Docking Station and Rover Body Materials Estimation	N/a yet	$203		
Mechanical	N/a	Docking Station and Rover Frame Work Estimation	N/a yet	$170		
Mechanical	N/a	Docking Station and Rover Mounting Hardware Estimation	N/a yet	$135		
Electrical	Seeed Studio SYH24A1	Aft RADAR Sensor	Link	$30		
Electrical	3057 BK005	Hook-up Wire (16AWG - RED)	Link	$71	1x 100'	This purchase will be shared with the other team and not be apart of our shared budget
Electrical	3077 RD005	Hook-up Wire (16AWG - BLACK)	**Link**	$65	1x 100'	This purchase will be shared with the other team and not be apart of our shared budget
Electrical	TD1-1A-DC-3-R	System main throw switch	Link	$20	4	
Electrical	N/a	Board Components and Assembly Estimate	N/a yet	$250		
Electrical	N/a	Power Distribution Boards Parts and Assembly Estimate	N/a yet	$400		
Mechanical	N/a	Miscellaneous Mechanical Hardware (Reflective Tape, Busbar, Gaskets)	N/a yet	$50		
Electrical	MB1613 HRLV-ShortRange-EZ1	Ultrasonic Sensor	Link	$35	1	
Electrical	TMCS1101A2BQDRQ1	Current Sensor	Link	$6.59	1	
Electrical	HCSP-1BS-0200	Current Sensor	Link	$54.62	1	
Mechanical	Aluminum Block	Aluminum for Heatsink	Link	$22	1	
Mechanical	Sheet Aluminum	Aluminum for Charging Contacts Estimates	N/a yet	$120		
Firmware	Tilt Adjustable Raspberry Pi Camera Module v2 Mount	Camera Mount	Link	$10	1	
Mechanical	92mm RGB LED Fan, PWM 300-2300 RPM	Chassis Fans for Cooling	Link	$16	1	
Firmware		Screen Buttons Estimate		$20		
Mechanical	N/a	Solar Panel Stand	Link	$36	1	
			Running Total:	**$2,257**		
			Already Purchased Total:	**$745.78**		
			Estimated Total:	**$3,002**		