Category	Item	Count	Price per unit
	perfboard (pack of 50)	7	$0.50
	Misc wires	NA	NA
	Male header pins	NA	NA
Electrical - general	Female header pins	NA	NA
	Solder	NA	NA
	Resistors	NA	NA
	Misc GPS radio wires	NA	NA
Section total:	$53.60		
	ESP32 feather huzzah v2	2	$19.95
Electrical - control	BLDC motor	1	$30.00
	5V, 5A voltage step-down regulator	1	$32.95
	custom battery pack	1	$15.00
Section total:	$117.85		
	analog pressure sensor	1	$20.00
	Thermistor	1	$2.00
	adafruit data logger feather wing	1	$8.95
	digital temperature sensor (pack of 5)	1	$10.00
	BMP180 pressure sensor	1	$9.95
	DHT22 humidity sensor	1	$9.95
Electrical - sensing	TSL2591 lux sensor	1	$6.95
	Adafruit 9-DOF absolute orientation IMU - BN055	1	$35.00
	Adafruit ultiamte GPS	2	$30.00
	915 mHz LoRa radio module	2	$20.00
	Precision current meter	1	$10.00
	GPS antenna	1	$20.00
	Radio antenna	2	$10.00
Section total:	$212.80		
	Low-pitch, high-precision ACME lead screw	1	$15.00
	Misc O-ring	NA	NA
Mechanical	Misc PVC pipe for piston	1	$10.00
	4" PVC pipe	1	$20.00
	4" PVC endcaps	2	$10.00
	metal cable glands	5	$10.00
	Epoxy	NA	NA
Section total:	$145.00		
			Total:
			Total need to purchase:

Total price for item type	Already have?
$3.50	Y
$15.00	Y
$5.00	Y
$5.00	Y
$10.00	Y
$0.10	Y
$15.00	N
$39.90	Y
$30.00	N
$32.95	Y
$15.00	N
$20.00	Y
$2.00	Y
$8.95	Y
$10.00	Y
$9.95	Y
$9.95	Y
$6.95	Y
$35.00	Y
$60.00	N
$40.00	N
$10.00	Y
$20.00	N
$20.00	N
$15.00	N
$10.00	Y
$10.00	N
$20.00	N
$20.00	N
$50.00	Y
$20.00	Y
$529.25	
$265.00	