

Bill of Materials

Deliverables	Component	Part number	Part Description	Vendor	Qty	Units	Price
6 Modules	Thermoelctric Generator(TEG)	TGPR-22W-7V-56S	Tegpro High Temperature TEG Power Module - 22 Watt 7 volt 56 mm	Tegmart.com	24		\$57.50
	Heat Sinks	3-505024G	5x5x2.5 flared pin fin	coolinnovations.com	6		\$40.00
	Steel plate		6x6x3/16 plates	Facilities	6		
	Graphit Sheets	P14965-ND	PGS SHEET 115X180MM W/POLYESTER	digikey.com	10		\$10.68
	Screws	91864A030	Black-Oxide Alloy Steel Socket Head Screw , 5-40 Thread Size, 7/16" Long	mcmaster.com	100		\$0.79
Radio Charger	Battery Charger			getfpv.com	1		\$69.99
	Barrel Jack	CP3-1000-ND	CONN PWR PLUG 2.1X5.5MM SOLDER	digikey.com	10		\$0.91
Transmission of Electricity	8 AWG 3 conductor cable			mcmaster.com	60	feet	\$2.51
	18 AWG 10 conductor cable			mcmaster.com	60	feet	\$4.49
	10 circuit terminal block	7527K51	22-12 AWG wire, 10circuit terminal block	mcmaster.com	1		\$4.51
	12 circuit terminal block	7527K33	16-6 AWG wire, 12 circuit terminal block	mcmaster.com	1		\$24.50
	20 circuit terminal block	7527K41	22- 12 AWG wire, 20 cicurit terminal block	mcmaster.com	1		\$7.67
Measuring	4 Channel Digital Thermometer			https://www.amazon.com/upHere-4-Channel-Thermometer-	1		\$32.98
Total							

Cost
\$1,380.00
\$240.00
\$0.00
\$106.80
\$79.00
\$69.99
\$9.10
\$150.60
\$269.40
\$4.51
\$24.50
\$7.67
\$32.98
\$2,374.55