

Bill of Materials

| Deliverables | Component | Part number | Part Description | Vendor | Qty | Units | Price | Cost |
|-----------------------------|-------------------------------|-----------------|--|---|-----|-------|--------------|-------------------|
| 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 | \$1,380.00 |
| | Heat Sinks | 3-505024G | 5x5x2.5 flared pin fin | coolinnovations.com | 6 | | \$40.00 | \$240.00 |
| | Steel plate | | 6x6x3/16 plates | Facilities | 6 | | | \$0.00 |
| | Graphit Sheets | P14965-ND | PGS SHEET 115X180MM W/POLYESTER | digikey.com | 10 | | \$10.68 | \$106.80 |
| | Screws | 91864A030 | Black-Oxide Alloy Steel Socket Head Screw , 5-40 Thread Size, 7/16" Long | mcmaster.com | 100 | | \$0.79 | \$79.00 |
| Radio Charger | Battery Charger | | | getfpv.com | 1 | | \$69.99 | \$69.99 |
| | Barrel Jack | CP3-1000-ND | CONN PWR PLUG 2.1X5.5MM SOLDER | digikey.com | 10 | | \$0.91 | \$9.10 |
| Transmission of Electricity | 8 AWG 3 conductor cable | | | mcmaster.com | 60 | feet | \$2.51 | \$150.60 |
| | 18 AWG 10 conductor cable | | | mcmaster.com | 60 | feet | \$4.49 | \$269.40 |
| | 10 circuit terminal block | 7527K51 | 22-12 AWG wire, 10circuit terminal block | mcmaster.com | 1 | | \$4.51 | \$4.51 |
| | 12 circuit terminal block | 7527K33 | 16-6 AWG wire, 12 circuit terminal block | mcmaster.com | 1 | | \$24.50 | \$24.50 |
| | 20 circuit terminal block | 7527K41 | 22- 12 AWG wire, 20 cicurit terminal block | mcmaster.com | 1 | | \$7.67 | \$7.67 |
| Measuring | 4 Channel Digital Thermometer | | | https://www.amazon.com/upHere-4-Channel-Thermometer- | 1 | | \$32.98 | \$32.98 |
| | | | | | | | Total | \$2,374.55 |