[Specification]

1. **Heating Coil**
   : Docreate 5V-12V ZVS driver board Low Voltage Induction Heating Coil Power Supply Module +heating Coil

- This Zvs heating power Supply module including heating coil
- Maximum power 120W (when 12V eddy - current heating)
- Input Voltage: dc5v-12v
- Module dimensions: 5.5 x 4 x 2 cm(L*W*H)
- Weight: 119g

2. **Fan**
   : Gdstime Ultrathin 60mm x 60mm x 10mm 12V Brushless Computer Case Cooling Replacement fan

- Package include: 1 Piece
- Rated Power:DC 12V 0.16Amp Bearing type:Sleeve
- Speed:3200RPM Air flow:13.8CFM Noise:26dBA
- Connecter: XH2.54-2Pin Cable Length:20cm Or 7.8 inches
- Size:60x60x10mm or 2.36x2.36x0.39 inches 22g/pcs

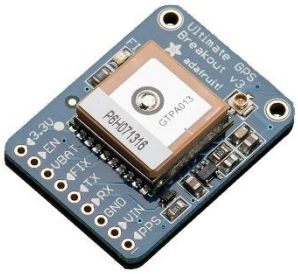
3. **Raspberry Pi 3 Model B**

- Quad Core 1.2GHz Broadcom BCM2837 64bit CPU
- 1GB RAM
- BCM43438 wireless LAN and Bluetooth Low Energy (BLE) on board
- 40-pin extended GPIO
- 4 USB 2 ports
- 4 Pole stereo output and composite video port
- Full size HDMI
- CSI camera port for connecting a Raspberry Pi camera
- DSI display port for connecting a Raspberry Pi touchscreen display
- Micro SD port for loading your operating system and storing data
- Upgraded switched Micro USB power source up to 2.5A

4. **Inverter**
   : Foval 150W Power Inverter DC 12V to 110V AC Converter with 3.1A Dual USB Car Charger

- Total Power: 150W
- Input: DC 12V/40A
- AC Output: 110V
- USB Output1-2: DC 5V/3.1A
- Size: 3.2 x 2.48 x 1.45 inches (81 x 63 x 37mm)
- Weight: 8 oz (295g)

5. **GPS Sensor**
: Adafruit Ultimate GPS Breakout - 66 channel w/10 Hz updates [ADA746]



- Satellites: 22 tracking, 66 searching
- Patch Antenna Size: 15mm x 15mm x 4mm
- Update rate: 1 to 10 Hz
- Position Accuracy: < 3 meters (all GPS technology has about 3m accuracy)
- Velocity Accuracy: 0.1 meters/s
- Warm/cold start: 34 seconds
- Acquisition sensitivity: -145 dBm
- Tracking sensitivity: -165 dBm
- Maximum Velocity: 515m/s
- Vin range: 3.0-5.5VDC
- MTK3339 Operating current: 25mA tracking, 20 mA current draw during navigation
- Output: NMEA 0183, 9600 baud defaults, 3V logic level out, 5V-safe input
- DGPS/WAAS/EGNOS supported
- FCC E911 compliance and AGPS support (Offline mode: EPO valid up to 14 days)
- Up to 210 PRN channels
- Jammer detection and reduction
- Multi-path detection and compensation

6. **Temperature & Humidity Sensor (DHT22)**
: RobotDyn - DHT22 - Temperature and Humidity Sensor for out-door DIY projects with Arduino, STM, Raspberry

- Power supply: 3.3V-5V
- Current: 2.5mA max use of current during conversion (while requesting data).\
- Humidity: 0 - 100%, ± 2%.
- Temperature: -40°C + 125°C, ± 0.5%.
- The sampling rate no more than 0.5 Hz (once every 2 seconds).

7. **Current Sensor**
: INA219 High Side DC Current Sensor Module R100 I2C Flux Workshop

- MPN: LC-Sensor-INA219
- Length: 25.5 mm
- Width: 22.5 mm
- Height: 15 mm
- Main Color: Blue
- Drive Voltage: 3 - 5V
- Characteristics: 26V Maximum voltage reading
- ±3.2A Maximum current measure
- 12bit ADC
- 0.8mA Resolution
- Communication Format: I2C
- Communication Address: 0x40 - 0x41, 0x44 - 0x45
- Chipset: INA219
- Mounting holes: M2 21.5/18.5mm
- Pin pitch: 2.54mm
- Connectors: Screw Terminals
- Soldering Points: Address select pins
- Operating Temperature: -40°C to 85°C (unconfirmed)