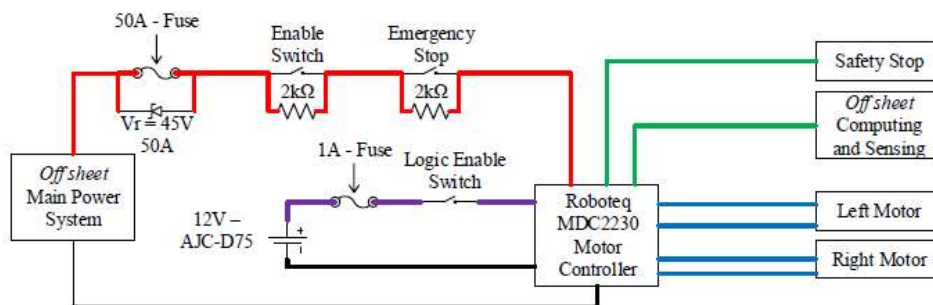


Main Power System Design Rev 5
Intelligent Vehicles and Systems Group
The Pennsylvania State University
By: Christopher Miller

KEY	
+24V	— (Red line)
GND	— (Black line)
Data	— (Green line)
120VAC	— (Yellow dashed line)

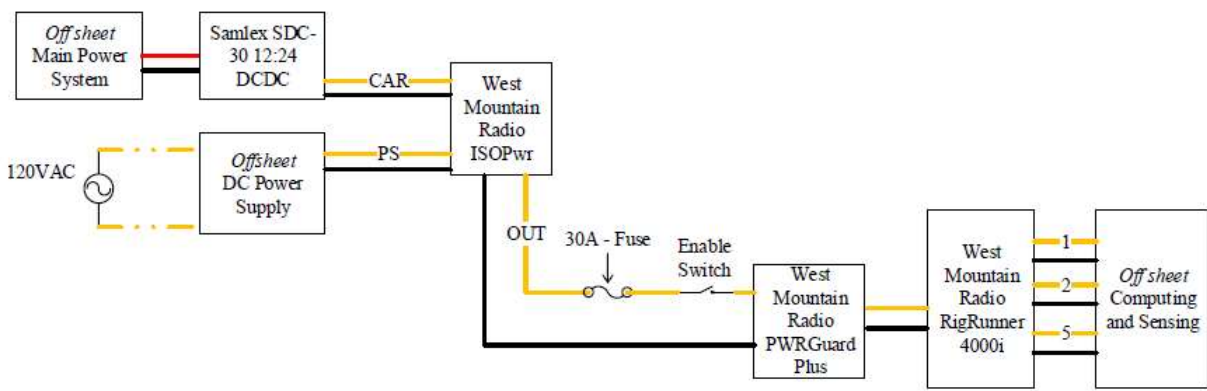
Figure B.1: Main power system schematic



Drivetrain (24V) Power System Design Rev 5
 Intelligent Vehicles and Systems Group
 The Pennsylvania State University
 By: Christopher Miller

KEY	
+24V	—
GND	—
Data	—
+24V motor	—
+12V (secondary)	—

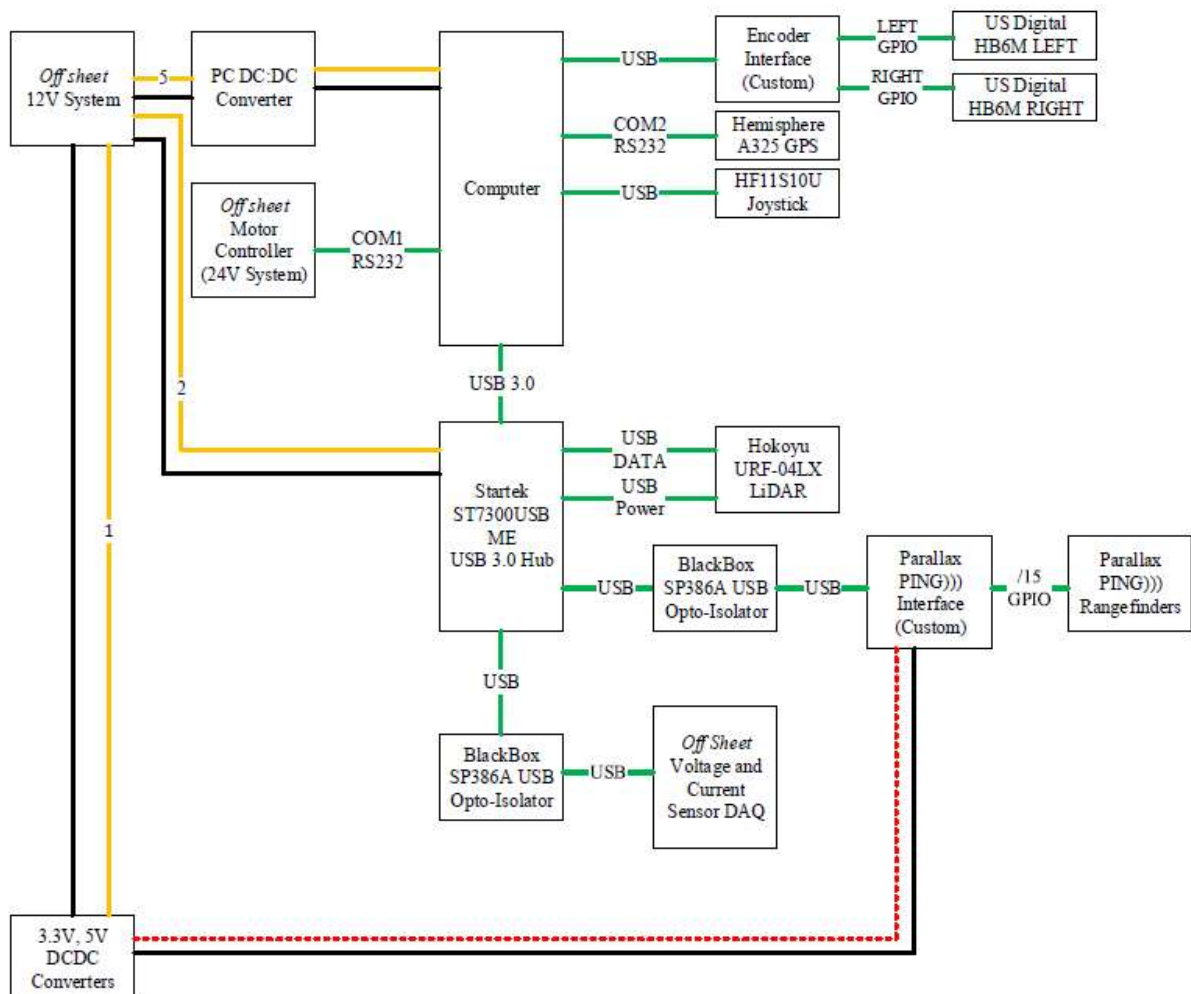
Figure B.2: Drive train power system schematic



Computing and Sensing (12V) Power System Design Rev 5
 Intelligent Vehicles and Systems Group
 The Pennsylvania State University
 By: Christopher Miller

KEY	
+24V	
GND	
+12V (primary)	
120VAC	

Figure B.3: Computing and sensing power system schematic



Computing and Sensing System Design Rev 5
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KEY	
+12V	
GND	
Data	
+5V	

Figure B.4: Sensor interconnect schematic