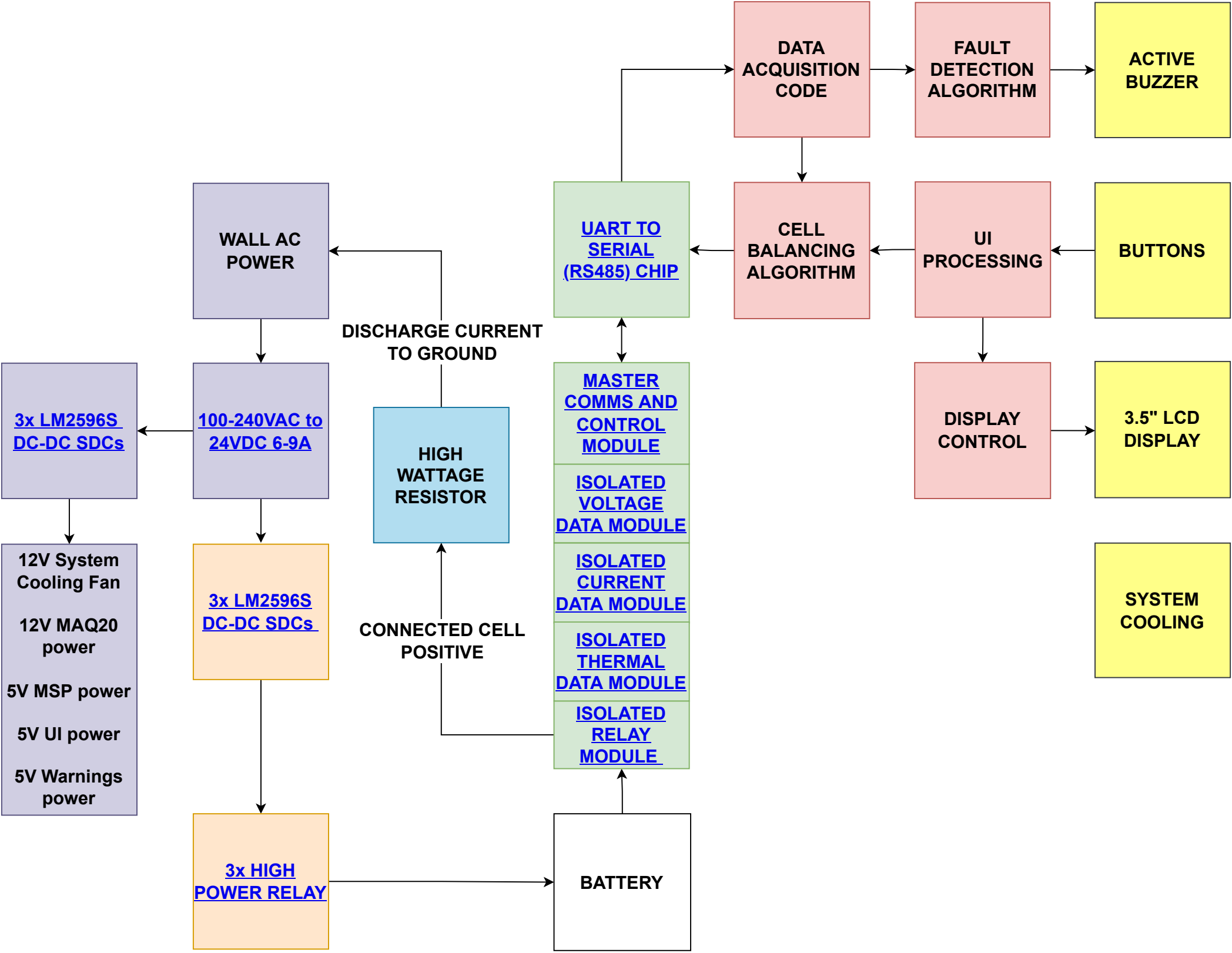
DATA ACQUISITION CODE
FAULT DETECTION ALGORITHM
ACTIVE BUZZER
WALL AC POWER
UART TO SERIAL (RS485) CHIP
CELL BALANCING ALGORITHM
UI PROCESSING
BUTTONS
DISCHARGE CURRENT TO GROUND
3x LM2596S DC-DC SDCs
100-240VAC to 24VDC 6-9A
HIGH WATTAGE RESISTOR
MASTER COMMS AND CONTROL MODULE
ISOLATED VOLTAGE DATA MODULE
ISOLATED CURRENT DATA MODULE
ISOLATED THERMAL DATA MODULE
ISOLATED RELAY MODULE
DISPLAY CONTROL
3.5" LCD DISPLAY
12V System Cooling Fan
12V MAQ20 power
5V MSP power
5V UI power
5V Warnings power
3x LM2596S DC-DC SDCs
CONNECTED CELL POSITIVE
SYSTEM COOLING
3x HIGH POWER RELAY
BATTERY