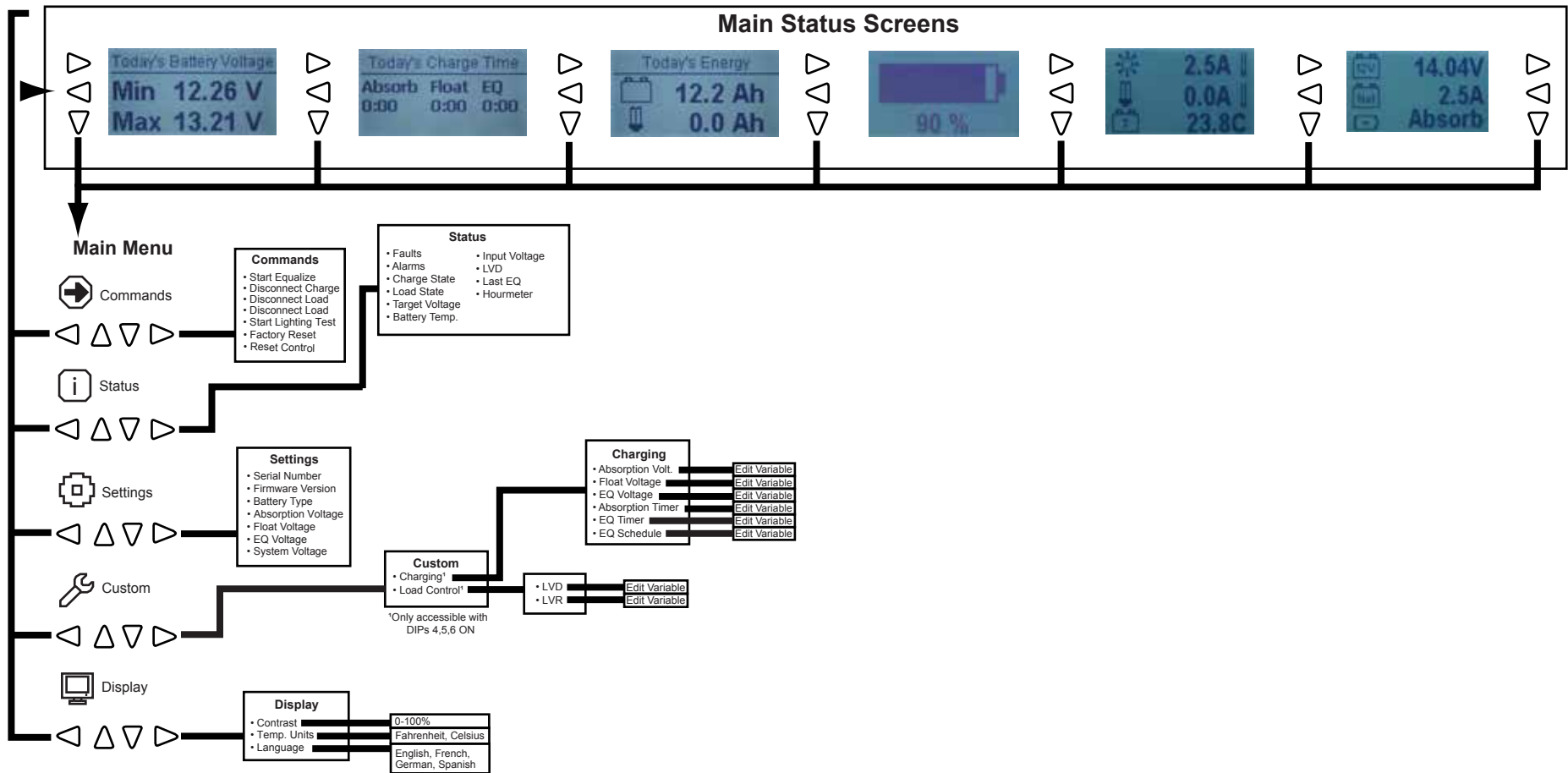
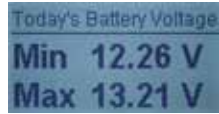


# EcoPulse Meter Map



# Main Status Screen Icon Explanation



**Min:** Minimum battery voltage recorded today

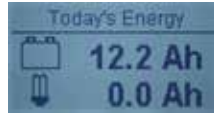
**Max:** Maximum battery voltage recorded today



**Absorb:** Cumulative time spent in the Absorption stage during today's charge cycle

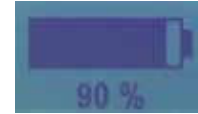
**Float:** Cumulative time spent in the float stage during today's charge cycle

**EQ:** Cumulative time spent in the Equalization stage during today's charge cycle

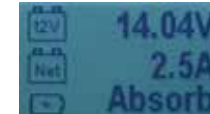


**Battery Icon:** Cumulative Amp-Hours delivered to the battery during today's charge cycle

**Load Icon:** Cumulative Amp-Hours delivered to the Load today



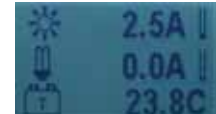
**State-of-Charge Icon:** Real-time battery state-of-charge indication. Quality of estimate varies depending on battery health. Shown in 10% increments.



**Battery Icon:** Real-time battery voltage

**Net Icon:** Real-time Net current into or out of the battery

**Charge Icon:** Real-time Charging Stage

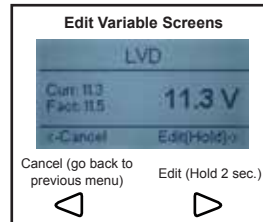
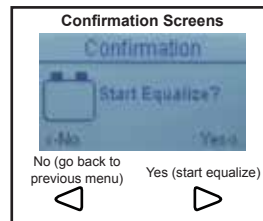
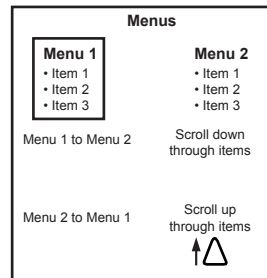


**Sun Icon:** Real-time Battery/Load Current

**Load Icon:** Real-time load current draw (will display 'LVD' for Low Voltage Disconnect and 'LVDW' for Low Voltage Disconnect imminent Warning)

**T Battery Icon:** Real-time Battery temperature as measured by the Remote Temperature Sensor (if no RTS present, displays local ambient temperature)

## How to Navigate



## Faults and Alarms

### Array Faults

- *Array Overcurrent*
- *FET Short:* Possible power MOSFET damage
- *Software:* Software fault
- *Batt HVD:* Battery Voltage exceeded High Voltage Disconnect threshold
- *Array HVD:* Array Voltage exceeded
- *Settings:* Custom settings change
- *Batt TS Short:* Remote Temperature Sensor shorted
- *Batt TS Discon:* Remote Temperature Sensor disconnected
- *THS Failed:* Heatsink Temperature Sensor failure
- *Batt LVD:* Battery Voltage too low for charging
- *P3 fault*
- *Dip switch fault*

### Load Faults

- *P3 fault*
- *FP10 fault*
- *Ext Short:* Wiring error
- *Overcurrent:* Load draw exceeded current rating
- *FET Short:* Possible power MOSFET damage
- *Software:* Software fault
- *HVD:* Battery Voltage exceeded Load High Voltage Disconnect threshold
- *HS Overtemp:* Heatsink temperature too hot
- *DIP switch:* DIP switch settings changed
- *Settings:* Custom settings change

### Alarms

- *Batt TS Open:* Remote Temperature Sensor open
- *Batt TS Short:* Remote Temperature Sensor shorted
- *Batt TS Discon:* Remote Temperature Sensor disconnected
- *THS Open:* Heatsink temperature failure
- *THS Short:* Heatsink temperature failure
- *THS Hot:* Heatsink temperature too hot
- *Current Offset:* Current measurement error
- *Uncalibrated :* Voltage and/or Current measurement uncalibrated
- *TB:* Battery or ambient temperature out of range
- *FP10:* Floating 10V supply out of range
- *Miswire:* External wiring error
- *FET Open:* Possible power MOSFET damage
- *Ia offset:* Current measurement error
- *Il offset:* Current measurement error
- *P3:* 3V supply out of range
- *High VA:* Array Voltage too high
- *Reset:* Controller was reset
- *LVD:* Low Voltage Disconnect
- *Log Timeout:* Log entry write timeout