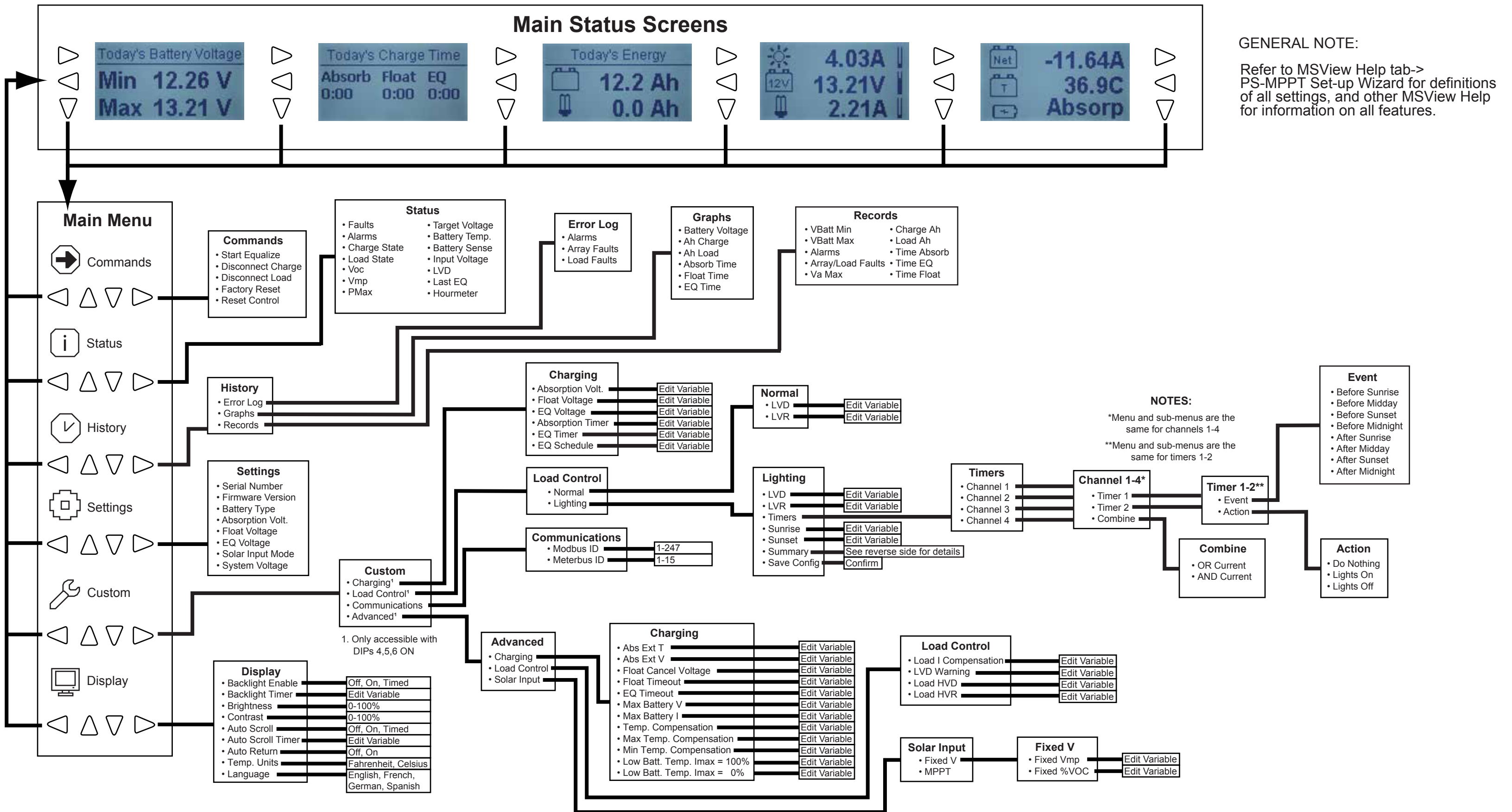
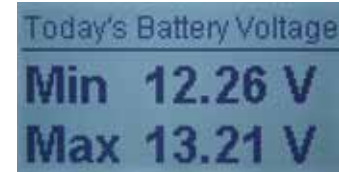


# ProStar MPPT Meter Map

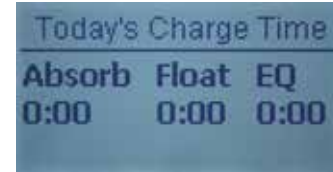


### Main Status Screen Icon Explanation



**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

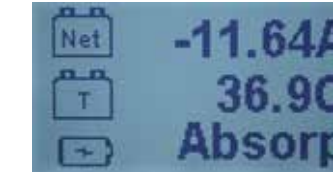


**Sun Icon:** Real-time Battery/Load Current

**Moon Icon:** Night state (no array voltage)

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

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



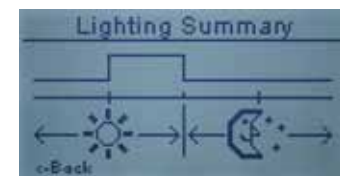
**Net Icon:** Real-time Net current into or out of the battery

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

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

### Lighting Summary

Custom ▸ Load Control ▸ Lighting ▸ Summary

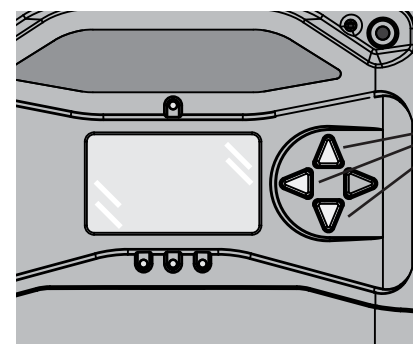
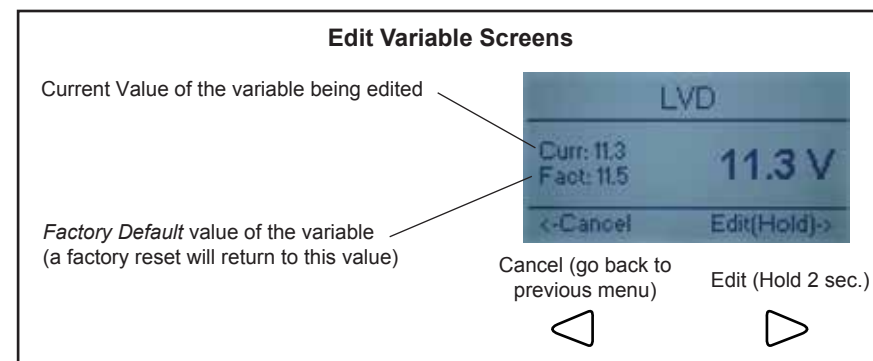
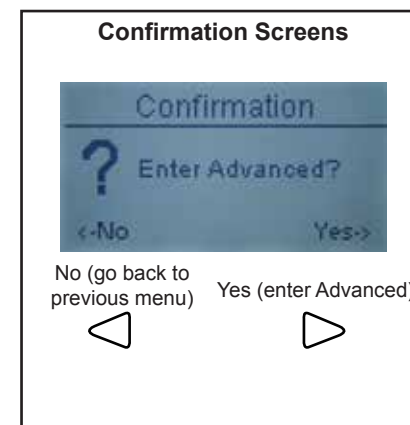
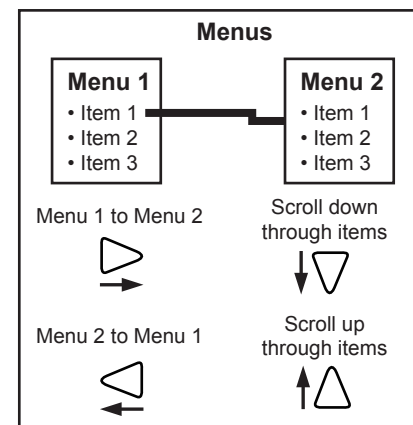


High state

Low state

Lighting Summary uses a line graph to show when the load will be turned on or off, if timers are set by the user. The sun icon represents daytime and the moon icon represents nighttime. When the line graph is in the 'low' state, the load will be turned off. When the graph is in the 'high' state, the load will be turned on.

### How to Navigate



Illuminated arrow buttons indicate which direction(s) are possible on each screen.

### Faults and Alarms

#### Array Faults

- *Output 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

#### Load Faults

- *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
- *TIND Open*: Inductor temperature sensor open
- *TIND Short*: Inductor temperature sensor shorted
- *TIND Hot*: Inductor temperature too hot
- *Current Limit*: Battery charge current limit
- *Current Offset*: Current measurement error
- *Batt Sense*: Battery Sense Voltage out of range
- *Batt Sense Discon*: Battery Sense Voltage disconnected
- *Uncalibrated*: Voltage and/or Current measurement uncalibrated
- *TB5v*: 5V supply 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
- *P12*: 12V supply out of range
- *High VA*: Array Voltage too high
- *Reset*: Controller was reset
- *LVD*: Low Voltage Disconnect
- *Log Timeout*: Log entry write timeout