

JA5124-01

(<http://www.atseries.net/PDFs/JA5124-01.pdf>)

ATEvo Series Battery Charger STATUS DISPLAY ADDENDUM

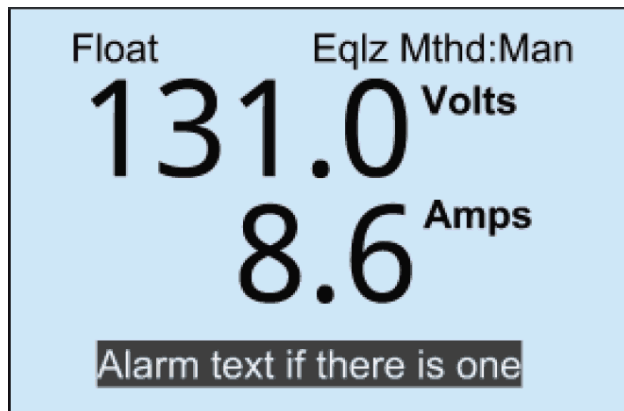
Overview

Status displays are a feature introduced in ATEvo firmware v2.5.0. Status displays provide top level access to charger run time statistics. Status displays are accessed directly through the **Display Mode** button or sequentially using the left or right arrow buttons. The following status displays are available.

- Voltage and Current (default top level display)
- Date and Time
- Ground Fault Meter
- Rectifier Temperature

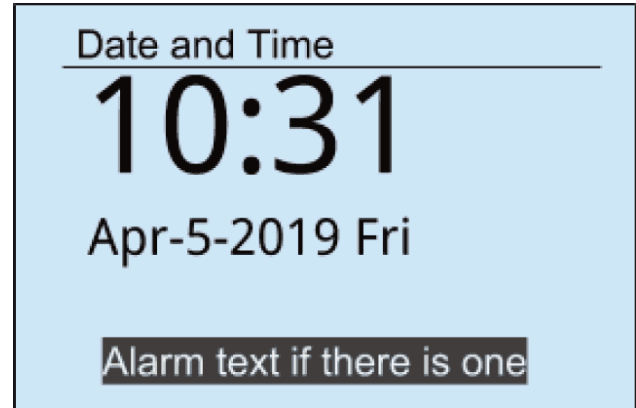
Any time a status display is selected it remains the active top level display until a new status display is selected. Press ESC whenever a status display other than Voltage and Current is active to revert back to Voltage and Current.

Voltage and Current Status



Float Eqlz Mthd:Man
131.0 Volts
8.6 Amps
Alarm text if there is one

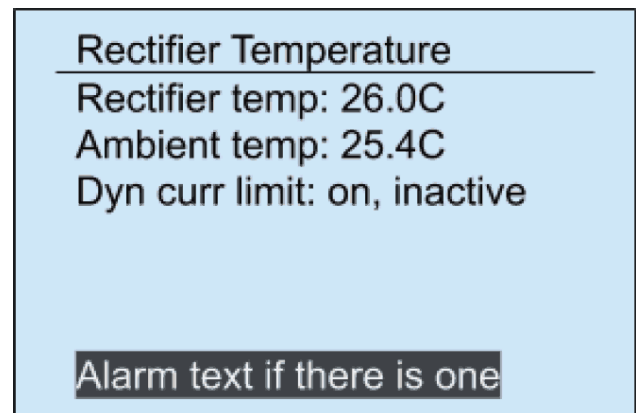
Date and Time



Date and Time
10:31
Apr-5-2019 Fri
Alarm text if there is one

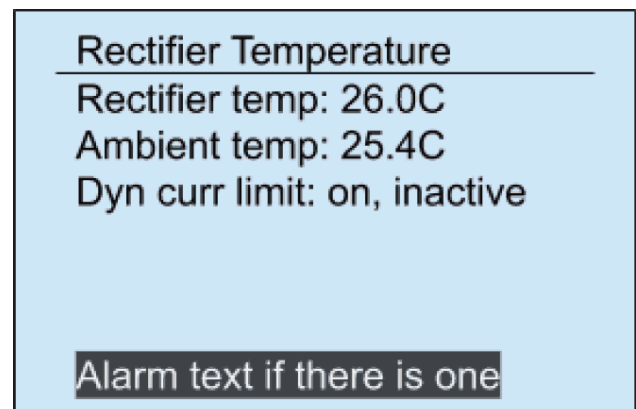
Rectifier Temperature Status Display

Rectifier temperature display shown below indicates rectifier and ambient temperature reading as well as dynamic current limit on/off status.



Rectifier Temperature
Rectifier temp: 26.0C
Ambient temp: 25.4C
Dyn curr limit: on, inactive
Alarm text if there is one

Status of whether dynamic current limit is inactive/active is also shown when dynamic current limit is on.



Rectifier Temperature
Rectifier temp: 26.0C
Ambient temp: 25.4C
Dyn curr limit: on, inactive
Alarm text if there is one

JA5124-01

<http://www.atseries.net/PDFs/JA5124-01.pdf>

The current limit setpoint is indicated as well as the amount that current is de-rated when dynamic current limit is active.

Rectifier Temperature

Rectifier temp: 115.0C
Ambient temp: 35.4C
Dyn curr limit: on, active
Current limit SP: 27.5A
Derated: -3.5A (12.7%)

Alarm text if there is one

Ground Fault Meter Status Display

The ground fault meter status shown below would be typical under normal operating conditions. The voltages displayed indicate the reading between each dc leg to ground. The ground symbol is centered between negative(-) and positive (+) legs indicating relative balance, similar to a zero centered meter.

Ground Meter

-66.3V 64.6V

Alarm text if there is one

ATevo Series Battery Charger **STATUS DISPLAY ADDENDUM**

The ground fault meter status shown below would be typical where there is a ground fault imbalance on the positive(+) leg in the system. The ground symbol shifts toward the leg where imbalance is detected. The approximate resistance from ground to that leg will be displayed as well as the imbalance voltage.

Ground Meter

-102.2V 28.7V

15kΩ

Imbalance 36.8v

Alarm text if there is one