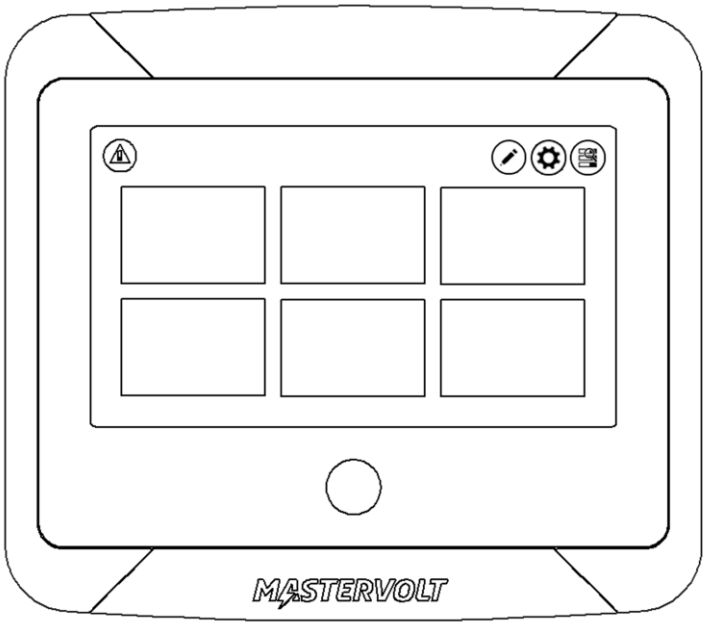
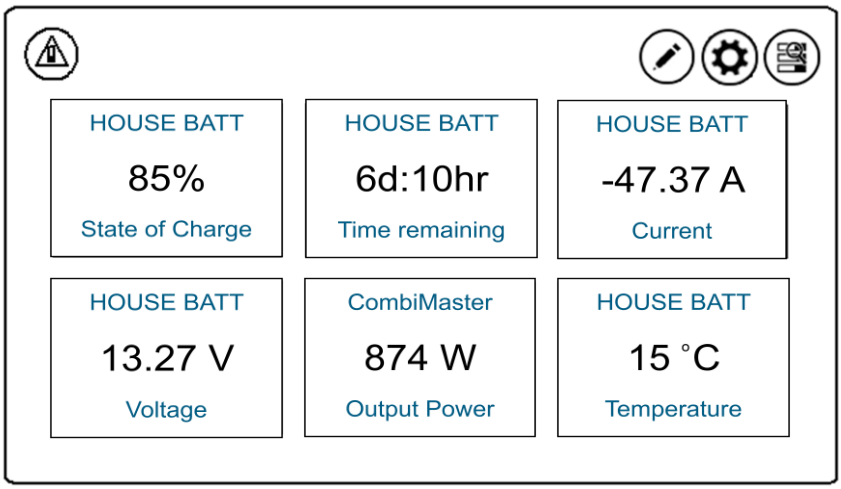
EASYVIEW DISPLAY GUIDE



Please note: Most Mastervolt Systems generally display similar information with the exception of optional features not in the basic portion of the Lithium-Ion System. This guide will cover all possible widgets displayed for an upfit and your System may not reflect or match all of the widgets displayed in this guide.

Typical Main Page



HOUSE BATT (State of Charge)
This widget displays the State of Charge of the Lithium-Ion System depicted between 100% (Full) and 0% (Empty)

HOUSE BATT (Time Remaining)
This widget displays the Time Remaining of the Lithium-Ion System until the capacity reaches zero based on current amp draw.

HOUSE BATT (Voltage)
This widget displays the Voltage of the Lithium-Ion System Battery or Cluster if more than one battery is present.(12VDC) Lithium Ion batteries are charged with an absorption voltage of 14.25V for 12VDC, and the float voltage is 13.5V for 12VDC.

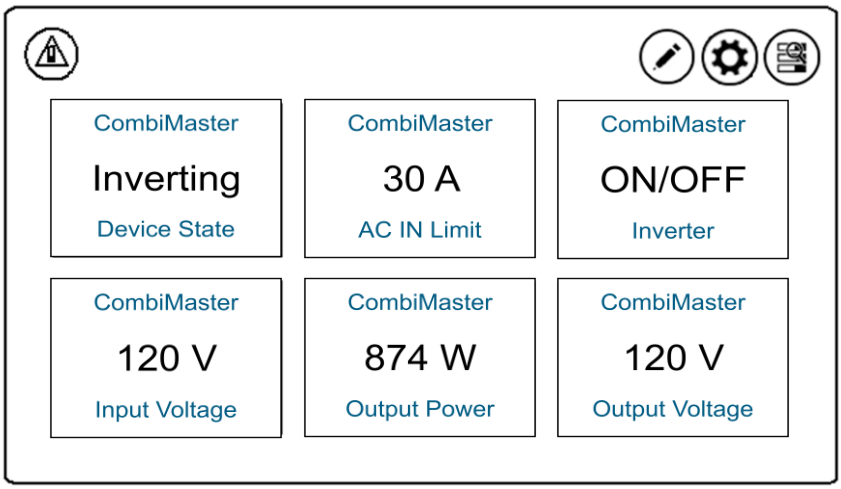
HOUSE BATT (Current)
This widget displays the Current of the Lithium-Ion System (12VDC Amp Draw) Positive numbers indicate Charge into the system & Negative numbers Discharge.

CombiMaster (Output Power)
This widget displays the Output Power (Watts) from the Inverter. Continuous power at 40 °C / 104 °F = 2600 W

HOUSE BATT (Temperature)
This widget displays the Temperature of the Lithium-Ion System Battery or Cluster if more than one battery is present. Operating temperature: (–25 to 50ºC / –13 to 122ºF) Nominal operating temperature: (25ºC / 77ºF)

Please note: Most Mastervolt Systems generally display similar information with the exception of optional features not in the basic portion of the Lithium-Ion System. This guide will cover all possible widgets displayed for an upfit and your System may not reflect or match all of the widgets displayed in this guide.

Typical Inverter Page



CombiMaster (Device State)
This widget displays the State of the Inverter which consists of three typical states of function: 1) Inverting 2) Charging 3) Off

CombiMaster (AC IN Limit)
This widget displays the Set allowable Input Amps from the Shore Cord. Typically set to 30A for 30A service. This setting will need to be lowered if using an outlet other than 30A. When using lower rated outlets setting limit to 80% of the outlet breaker would be recommended. If breaker trips while using the outlet lowering to 40% would be advised.

CombiMaster (Inverter)
This widget displays the button used to toggle the inverter (On or Off).

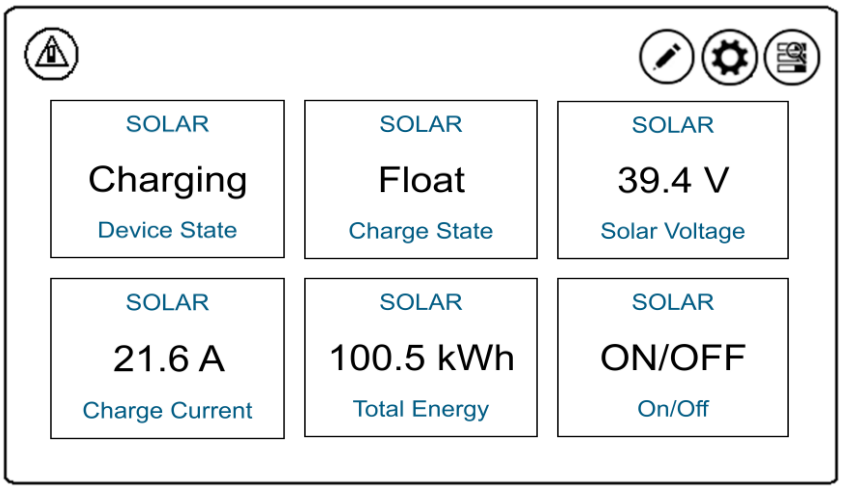
CombiMaster (Input Voltage)
This widget displays the 110V Voltage reading from the shore Cord when plugged into the power grid. This voltage can vary and the Inverter specification lists: Input voltage range at 90-140VAC. This widget will read 0V when unplugged from shore cord.

CombiMaster (Output Power)
This widget displays the Output Power (Watts) from the Inverter. Continuous power at 40 °C / 104 °F = 2600W

CombiMaster (Output Voltage)
This widget displays the 110V Voltage reading from the Inverter when inverting. Inverter specification lists: Output voltage 120VAC.

Please note: This page is only available if the Mastervolt 60A MPPT Solar Charge Master is present in the Lithium-Ion System.

Typical Solar Page



Solar (Device State)
This widget displays the actual operation mode of the Solar Charge Master which consist of four states (Charging / Standby / Alarm/Off)

Solar (Charge State)
This widget displays the Actual state of charge algorithm: Bulk / Absorption / Float / Off

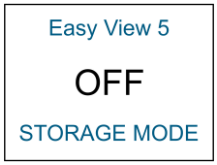
Solar (Solar Voltage)
This widget displays the Voltage at the Solar input. This voltage can vary and is determined by the amount of solar panels and the way the panels are connected (Series 0-20V or Parallel 0-40V). Another factor is the amount of exposure of the solar panels to the Sun.

Solar (Charge Current)
This widget displays the Output current (Amperage) of the Battery output on the Solar Charge Master. This amperage can vary and is determined by the amount of solar panels and the way the panels are connected (Series or Parallel). Another factor is the amount of exposure of the solar panels to the Sun.

Solar (Total Energy)
This widget displays the total amount of energy (kWh) converted by the Solar Charge Master (measured at the Battery output of the Solar Charge Master)

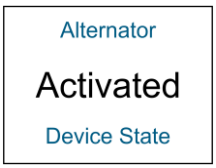
Solar (On/Off)
This widget displays the button used to toggle the Solar Charge Master (On or Off).
NOTE: If the Solar Charge Master was switched off by means of this button, it will switch on again the next day (after sunset and sunrise). .

Please note: The widgets shown below excluding the Storage Mode are optional additions that may not be displayed on the Easy View 5 if they are not present in your system.



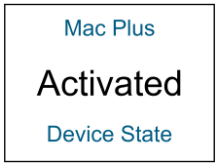
STORAGE MODE

This widget displays the button to open the safety relay and remove all power from the Lithium-Ion System. If this button is pressed the relay will not re-engage unless 110V power is provided to the input of the inverter (Shore Cord/Generator) or the yellow button on top of the safety relay is depressed manually.



Alternator

This widget displays the state of the additional/second alternator installed at the factory, typically on Class B vans. The modes are (Standby or Activated) If the alternator is in standby mode it is not charging the Lithium-Ion System.



Mac Plus

This widget displays the state of the Mac Plus (if present) which is typically used to tap into the charging power of the vehicles existing alternator. The modes are (Standby or Activated) If the Mac Plus is in standby mode it is not charging the Lithium-Ion System.

Activated: The Mac Plus is in charging mode if it meets the switch-on conditions.

Standby: The Mac Plus goes to standby when is does not meet the switch-on conditions (Ignition signal with 12.6V present) or Switched off by the On/Off button in the MasterBus menu or by a MasterBus event.

The next few pages are from the Mastervolt User Manual that may help you have a better understanding in operating and monitoring your Lithium-Ion System. Please refer to the actual manual for questions beyond what is covered in this guide. It can be found on the Mastervolt website: www.mastervolt.us

5 Operation

5.1 General

The Mastervolt EasyView 5 is a central monitoring and control panel for devices that are connected to the MasterBus network. It shows status information of your electrical system by means of a touch screen.

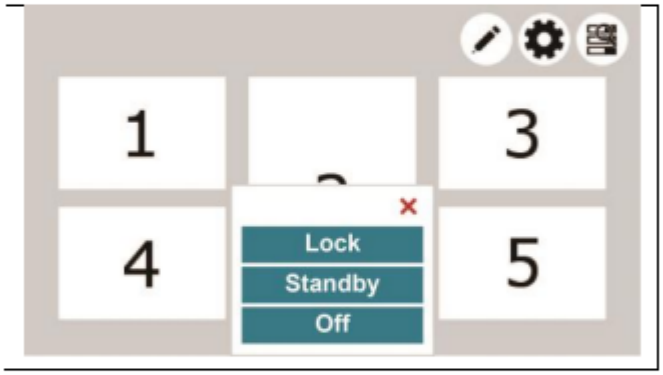
5.2 Home Button

5.2.1 Switching on, off or standby

To switch on the EasyView 5: tap the Home button. After a short time, the first screen is shown for device selection, this screen is called the Dashboard.

To switch off: long-press (i.e. press and hold the button for about 3 seconds) the Home button and tap the Off option in the menu that appears.

To switch to standby mode: long-press the Home button and tap the Standby option.



5.2.2 Locking

To lock the EasyView 5 when it is switched on, long-press the Home button and tap the Lock option. In this mode the panel will not react on tapping the screen. The “locked” symbol is shown in the upper left corner.

To unlock the EasyView 5, long-press (i.e. press and hold the button for about 3 seconds) the Home button.

5.2.3 Home

Tapping the button when the EasyView 5 is switched on, returns you to the Home screen. The Home screen is the first favorite page on the Dashboard.

5.3 Dashboard and navigation

The dashboard consists of one or more favorite pages, showing an overview of user picked settings and values of connected devices on the MasterBus network. See section 6.1 for more details.

Navigate to another page by swiping or by tapping the left or right bottom of the screen. The bullets on the bottom of the dashboard show how many favorite pages there are, and which favorite page is currently being shown.

On the screen the following buttons can be shown:

Alarm button
Opens the list of active alerts. The button is only present when an alert is active.

Edit button
Opens the Edit page where you can add and edit widgets on the Dashboard. This button may be hidden. See section 6.6.

EasyView 5 settings button
Open the EasyView 5 Device page.

System button
Opens the System page, displaying a list of all connected devices.

USB button
Opens the USB update page. The button is only present when an USB flash drive is detected.

Add widget
Add widget(s) to the favorite page(s)

Back
Back one page

Confirm

Cancel/Remove

5.4 Maintenance

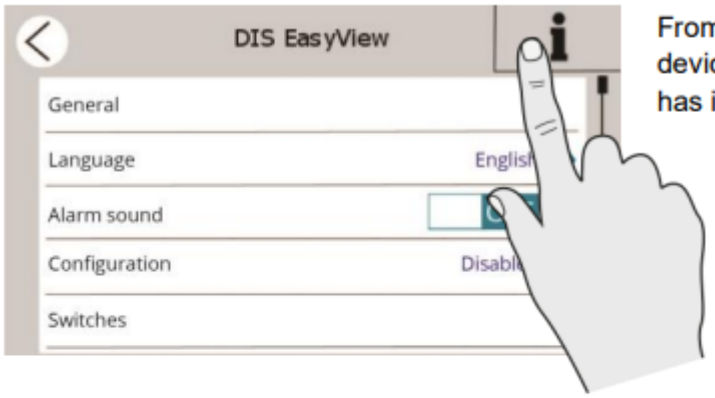
If you need to clean the touch screen without controlling functions, use the lock function as described in chapter 5.2.2. Clean touch screen with a soft cloth. Do NOT use acids or scourers!

6.2 System page

Tap the system browsing button to navigate to the System page.

The System screen displays a list of all connected devices in alphabetical order. Select a device to navigate to its Device page. Devices from the list with an active alarm are accompanied by an alarm symbol.

6.3 Device page



From the System screen (section 6.2), tap on a device to go to the Device page. Each device has its own Device page.

The Device page shows the current state of the selected device. The displayed values and switches depend on the device.

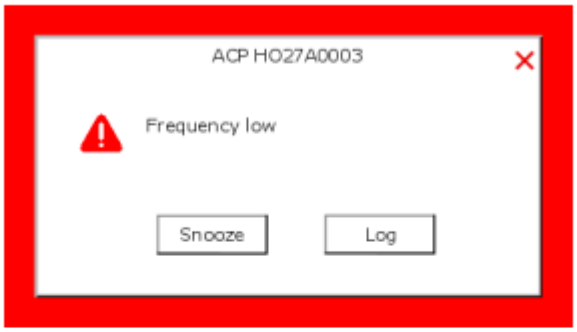
Tap 'i' for Device information.

To enable configuration, see section 6.6.

Device information

Shows a summary of device information and history.

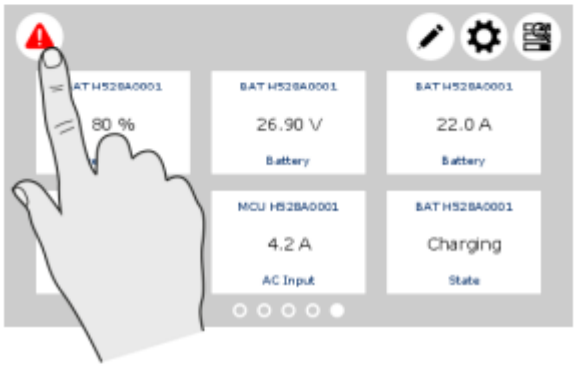
6.4 Alarms



An Alarm popup is displayed when a connected device generates an alarm. Tap 'Log' to navigate directly to the device page or 'Snooze' to snooze the alarm. If the alarm persists, the popup is shown every 9 minutes.

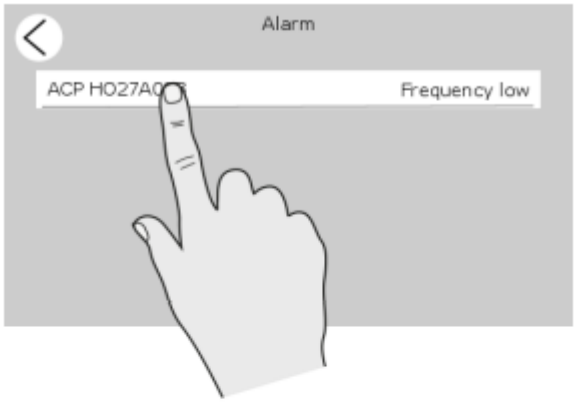
The buzzer can also be target in MasterBus events. This means the buzzer can sound even if you switched it off in the configuration. See section 6.7.

You can also create your own alarm messages. These alarms have a yellow border. See section 6.11.

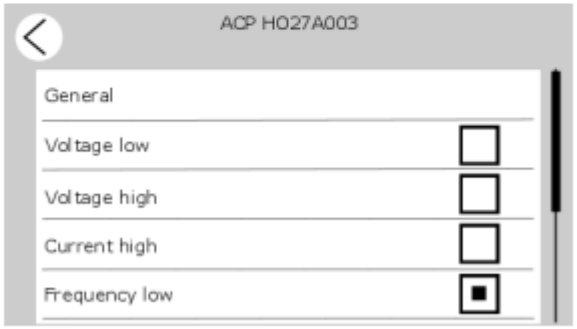


In case an alarm is present in the system, the Alarm button will be shown in the upper left corner of the Dashboard.

Tap the Alarm button from the Dashboard to open the list with active alerts from all connected devices.



Tap the device you want to inspect.



The alarm page of the selected device is shown. The selected box indicates the current alarm(s).