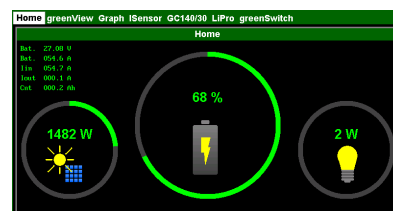
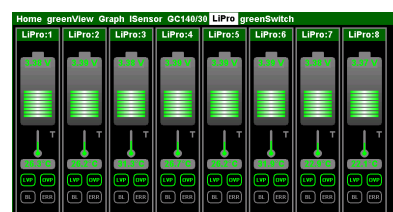




FLEXIBLE VISUALIZATION AND DATA RECORDING
FOR ECS COMPONENTS

greenView

greenView combines five devices in one: Battery Monitor, Remote Display, BMS Master, Modbus TCP Server, and Data Logger. It enables real-time monitoring of charging and discharging currents, voltages, charging power, and discharging power. The system supports up to four analog sensors (current sensors, level sensors) and several RS485 bus connections for connection to ECS components. Several battery monitors (greenMeter) can be connected to monitor different charging and discharging sources as well as multiple battery systems. With the Modbus TCP interface, all parameters can be monitored and controlled remotely. Intelligent balancing dynamically adjusts the balancing voltage to the state of charge of the cells, which optimizes battery performance. All collected data is stored on an SD card and can be used for analysis.



Made in Germany

Product features and advantages

Functions

- Monitoring of charging and discharging currents, voltages, charging and discharging power in real time.
- Display of all relevant ECS device information such as greenController, LiPros, greenSwitch and SmartPro.
- Real-time display of the state of charge.
- Display of charging and discharging currents.
- Connection of up to four analog sensors.
- Connection of up to 247 devices via RS485.

Monitoring and operation

- Large 5" TFT display with 800x480 dots and capacitive touch.
- Intelligent balancing to optimize battery performance.
- Storage of all collected data on an SD card for later analysis.
- Remote monitoring and control of the system via internet.
- User-friendly operation both locally and remotely.

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Mechanical data	
Dimensions (H x W x D) Wall-mounted version	approx. 150 mm x 167 mm x 62 mm max. wall thickness: 30 mm
Dimensions (H x W x D) Wall-mounted version	approx. 132 mm x 167 mm x 38 mm
Weight Wall-mounted version	0.4 kg
Weight Wall-mounted version	0.5 kg
Cable cross-section for inputs and outputs	0.15 – 1.3 mm ²
Cable entry Wall-mounted version	up to 6.5 mm diameter
Cable entry Wall-mounted version	up to 7.5 mm diameter
Protection class	IP30
Electrical data	
Supply voltage	Nominal voltage 12 - 48 V Operating range 11.5 to 65 V
Power consumption	Maximum 3.5 W (Display brightness 100%, 5V and 15V power supply active) Minimum < 0.8 W (in power saving mode)
Environmental data	
Ambient temperature	-20 °C to +65 °C
Storage temperature	-30 °C to +80 °C
humidity	100%, non-condensing
Degree of contamination	2
communication	
Bus systems	RS485: Modbus master RS485: Modbus slave Ethernet: Modbus TCP/IP server CAN: Hardware implemented, software planned
Entrances	
Number and design	4 x analog / digital inputs
Dielectric strength	0 – 65 V
Measuring range	Analog measuring range: 0 – 10 V, 0 – 65 V optional
Switching outputs	
Number and design	4 x electronic relays
Dielectric strength	65 V
Current carrying capacity	1.2 A
5 V power supply output	
tolerance	±1.5 % max.
Current carrying capacity	at least 350 mA
15 V power supply output	
tolerance	±2 % max.
Current carrying capacity	at least 150 mA



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