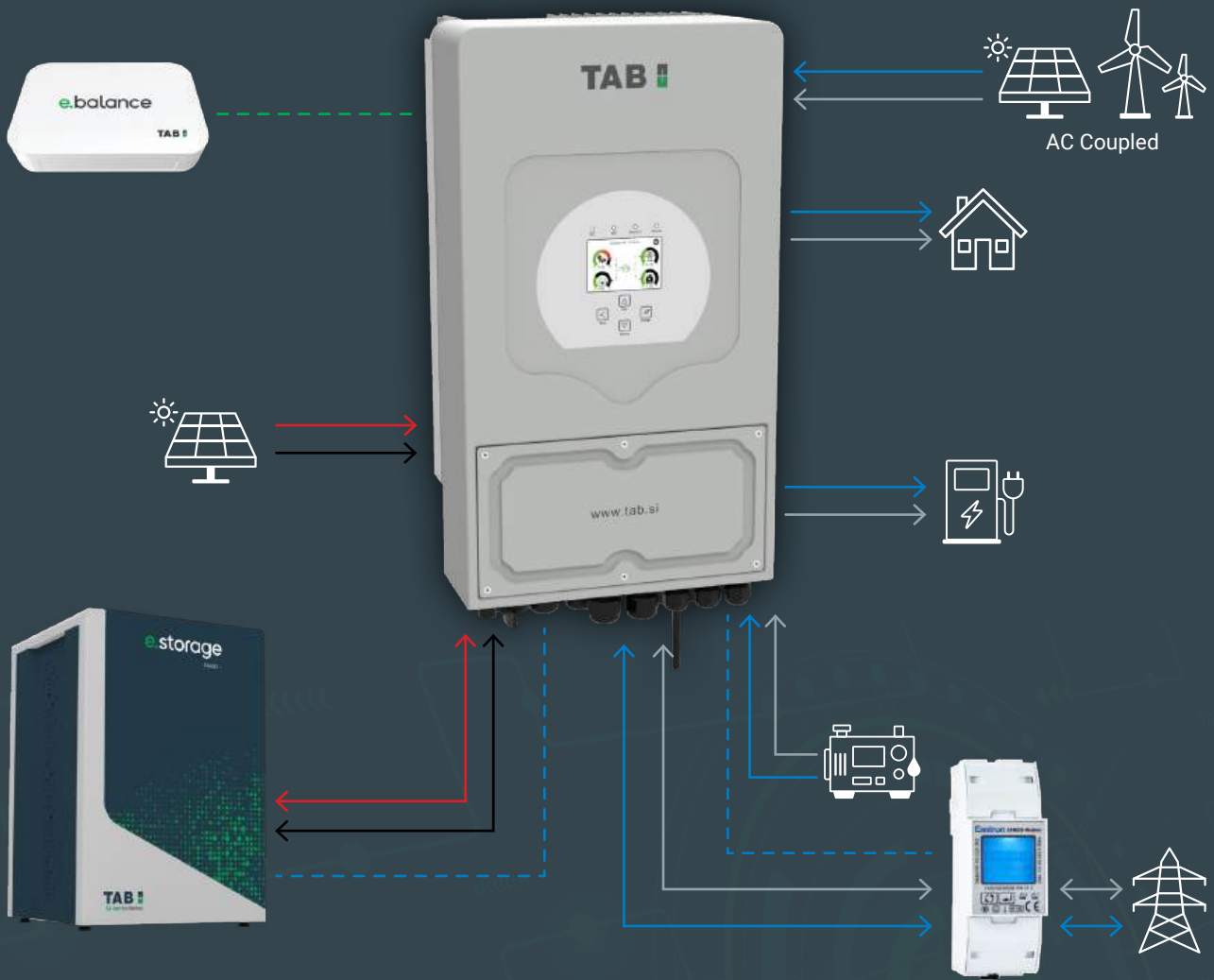


e.balance

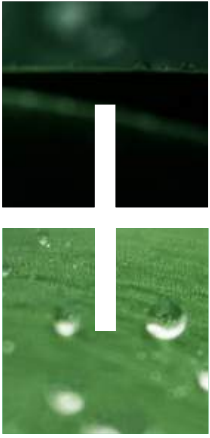


— DC B+
— DC B-

— AC N
— AC L1

--- Wi-Fi communication

--- CAN or Modbus communication



EMS PLATFORM E.BALANCE FOR ENERGY CONTROL AND MANAGEMENT

E.BALANCE is an innovative IoT solution for monitoring and managing the energy use in tertiary buildings, industrial premises and households. With the help of advanced algorithms, it automatically collects and analyses data on electricity consumption in real time. Advanced system functions enable greater energy efficiency, use of energy from renewable sources and lower costs.



E.BALANCE FUNCTIONALITIES

- Control and analysis of electricity use
- Setting different strategies based on individual's needs
- Adapting the electricity price according to the dynamic billing model
- Use of electricity from a remote solar power plant
- Automated reports
- Recording the history of consumption
- Forecasting the electricity production from renewable sources
- Forecasting the consumption of electricity

E.BALANCE MAIN ADVANTAGES

BALANCED ELECTRICITY CONSUMPTION

E.BALANCE solves the problems of peak consumption of the low-voltage grid by adjusting the consumption of the final consumers of electricity according to the needs of the grid. In this way, it ensures a balanced load of the electricity infrastructure.

ENERGY EFFICIENCY

E.BALANCE enables transparency, which is crucial for efficient energy use. Monitoring and analysing the electricity consumption and production provides an overview of how much energy is being used and for what purpose.

EFFICIENT USE OF GREEN ENERGY

E.BALANCE controls the production of electricity in solar power plants and distributes it to electricity consumers, to a battery storage or to the grid. It helps to maintain the grid stable and encourages the use of green energy.

REDUCED ELECTRICITY COSTS

E.BALANCE enables the adjustment of the electricity price according to the dynamic billing model. Dynamic billing reduces costs for users and encourages them to use energy off-peak.

WEB APPLICATION E.BALANCE DATA AVAILABLE 24/7

The web application provides user-friendly insight into measurements and analysis of electricity consumption. All electrical devices connected to the system are displayed in the application. You will always have data on the consumption, distribution and price of electricity at your fingertips. The application works on both computers and smart devices.

