

## Commercial Customers...

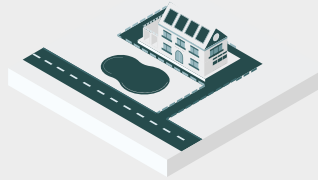
The smart grid controller functions as an energy manager for charging electric vehicles within a company and integrates them with the heat pump, energy storage, and solar production. Through the online portal, different priorities can be assigned to employees, management, and visitors. This way, energy consumption is aligned with times of the lowest prices and highest solar production, resulting in lower costs.



- ▶ Automate all of your energy technologies for offices, factories, buildings, and more.
- ▶ Deliver solar parks with curtailment.

## ... and Residential Customers

The smart grid controller ensures that home batteries, electric vehicles, heat pumps, and solar panels work together. This allows a homeowner to ensure they are consuming electricity at the lowest possible capacity rate and optimizing the use of their solar energy. The smart grid controller also enables responsiveness to energy rates that change on a quarterly basis.



- ▶ Supply your residential clients with a single device that manages all energy technologies.
- ▶ Receive automatic reports which monitors potential faults and defects, or set up your own customizable alerts that ping when it's time for maintenance.



### Our integrations

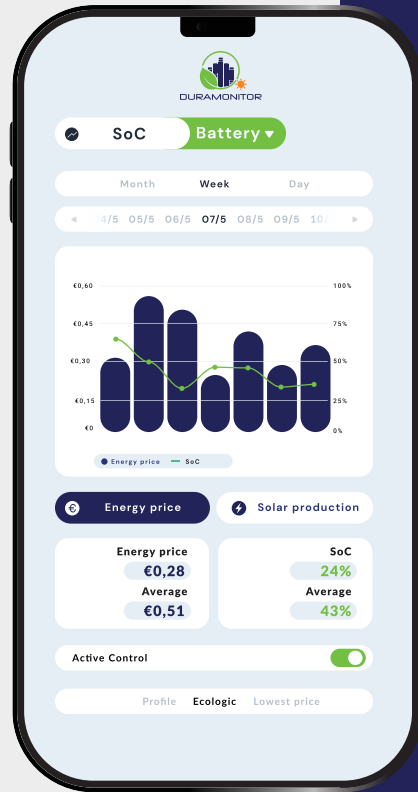


... and more

[duramotion.nl](http://duramotion.nl)  
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**+180** Hardware integrations  
**▼ 30%** Energy costs  
**24/7** Optimal energy



Casing	Suitable for DIN-rail and wall-mount
Measurements	127mm x 125mm x 51mm
Weight	350g
Application Area	Indoor
Power Supply	Via adapter 230Vac → 12Vdc

Mobile Application

White labelling options

Plan or automate EV and home-battery charging

Realtime weather data

Algorithm based on user-patterns

Web-portal which allows customizable alarms, alerts, visualization options, reports, user-management and more for your customers.

Energy price data



Device is shown in real-life measurements



## Optimize energy with one device

The smart grid controller is a smart link between all your energy technologies that takes your consumption profile into account, allowing you to automatically save maximum energy.

It is an energy manager that takes actions such as real-time adjustments based on solar production & live energy prices, dynamic control of charging stations, battery systems, heat pumps, and other energy-consuming devices.

**Network Interface** ▶ RJ45 gigabit ethernet

**Digital Meter Interface** ▶ With included RJ11 to USB cable

Energy Technology Interfaces	
EV Charger	▶ Modbus TCP via RJ45
Energy Meter	▶ RS 232 / RS 485
Battery Meter	▶ 2x Digital Input (5-50Vdc)
Solar Inverter	▶ 2x Relay Output
Heatpump	▶ HTTPS API
	▶ SO Pulse-Counter via Digital Inputs