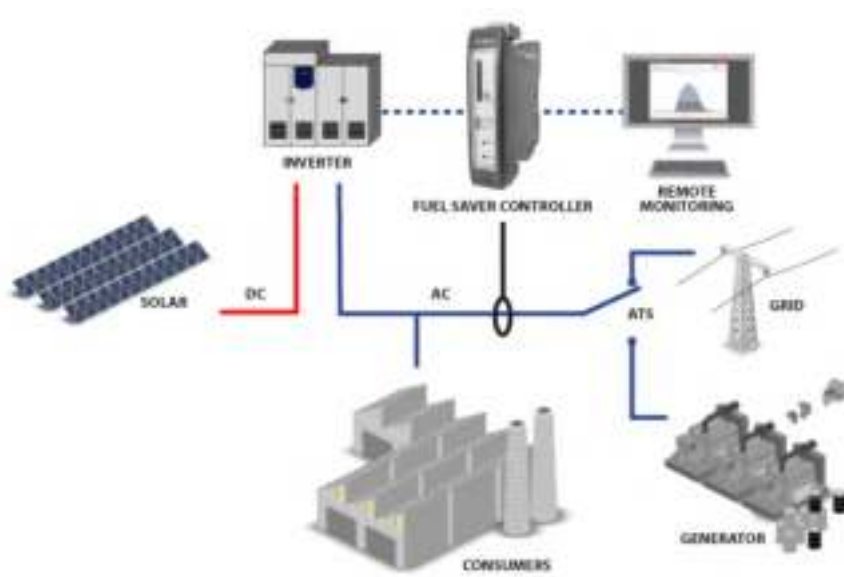


# DGsmart FUEL SAVER CONTROLLER



DGsmart FUEL SAVER CONTROLLER



## Overview

Is the SERENUM plug and play controller for decentralized PV plants with or without gensets. Pick any interface protocol from our list of supported interfaces and connect - it is that easy!

Connect with inverters, controllers and power meters via RS-485 or TCP/IP and have full control of your grid export / self-consumption and safely run your gensets while saving fuel in hybrid plants

Setup and monitoring is easily done via the built-in webservice, DGsmartweb, describing every step of the setup and providing you with a wide range of monitoring and reports - run it on your PC or on mobile devices. With the DGsmartlogic feature, you can program custom logics - a simple and powerful tool.

Use the DGsmartcloud remote monitoring system web app for live and historical data visualization and analysis or your PV and PV-Genset plants. You can try it out for a full 90 days free of charge when purchasing any DGsmart variant.



# Variants

The DGsmart comes in the following five variants all running on the same HW.

## Capacity

Function \ Variant	Logger	Solar	S	M	L
32 inverters	●	●	●	●	●
16 gensets	●	●	●	●	●
16 grid connections	●	●	●	●	●
16 PV feed in points	●	●	●	●	●
Stacking support for >32 inverter PV plants		●	●	●	●

## Control

Function \ Variant	Logger	Solar	S	M	L
DGsmartlogic	●	●	●	●	●
Active power control of PV plant		●	●	●	●
Reactive power control of PV plant		●	●	●	●
Self consumption unlimited PV plant capacity		*	*	*	*
PV/Diesel up to 100kWp PV plant			●	●	●
PV/Diesel up to 500kWp PV plant				●	●
PV/Diesel unlimited PV plant capacity					*
Genset Management			●	●	●

\* Limited by the maximum amount of inverters supported only

# Monitoring

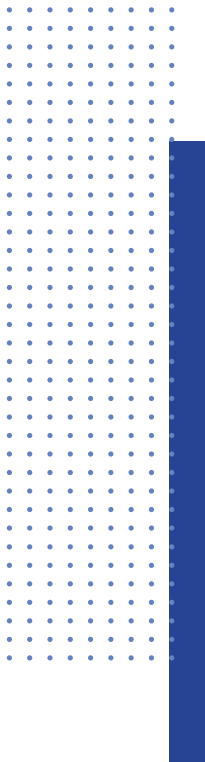
Function \ Variant	Logger	Solar	S	M	L
DGsmartweb	●	●	●	●	●
DGsmartpanel	*	*	*	*	*
DGsmartcloud - 90 days free trial	●	●	●	●	●
DGsmartcloud	*	*	*	*	*

\* Accessories

# Communication

Function \ Variant	Logger	Solar	S	M	L
PV inverters via Modbus RTU or TCP	●	●	●	●	●
Power meters via Modbus RTU or TCP	●	●	●	●	●
Genset controllers via Modbus RTU or TCP	●	●	●	●	●
Sensors via Modbus RTU	●	●	●	●	●
Modbus TCP server	●	●	●	●	●
Modbus RTU slave	*	*	*	*	*

\* On RS485 serial port not used for inverter, power meter, genset controller or sensor comm.





# Logs and Notifications

Function \ Variant	Logger	Solar	S	M	L
Lifetime event log on USB or SD-card	●	●	●	●	●
Summary logs on USB or SD-card	●	●	●	●	●
Production (time series data) logs on USB or SD-card	●	●	●	●	●
Alarm notification via email	●	●	●	●	●
Logs via email or ftp	●	●	●	●	●

