SOLARWATT ®

power to the people

EnergyManager Pro   **SOLARWATT Energy Systems**

INTELLIGENT AND EASY ENERGY CONTROL
ENERGYMANAGER PRO

The EnergyManager Pro is the central interface for monitoring solar energy production. It can control electrical appliances, optimize household consumption, and saves energy costs.

The EnergyManager Pro is installed in the building switchboard and connected to the internet. You can view the data of your EnergyManager and (optionally) control your energy from anywhere.
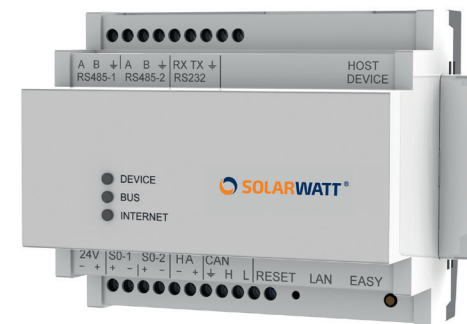
- Monitor your PV system
- Flexible activation of devices
- Highest data security
- Simple installation on a top-hat DIN rail
- Dynamic in-feed management

  (saves costs for small PV systems by eliminating the ripple control receiver)
- Free access to the browser-based, intuitively operated Energy Portal

Included in delivery

- EnergyManager Pro
- Network cable

EnergyManager Portal

EnergyManager Pro

SOLARWATT Service

MyReserve ready
Perfect system integration

Competent Consulting
Experts via Hotline or on location

Guaranty of origin
Quality Made in Germany

Technical Data | EnergyManager Pro

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ENERGYMANAGER PRO

Device supply	via external top-hat rail power supply unit (230 V AC/24 V DC; 1,5 A; 3 HP)
Power input	2.4 W
Ambient temperature	−10 °C to +50 °C
Plastic housing dimensions (W x H x D)	108 x 90 x 70 mm, 6 HP (horizontal pitch)
Installation type	Top-hat rail TS35 (DIN)
Protection rating	IP 20

I/O INTERFACES AND CONNECTABLE DEVICES

Ethernet	1x	RJ-45 10 / 100 Mbit	
Clamp connection	2x	RS485	10 devices per interface
	2x	SO / Digital In	1 device per interface
	1x	CAN	MyReserve, AC-Sensor
USB	2x	USB 2.0 host, USB socket type A	

ENERGYPORTAL

Supported display media	Desktop PC, tablets, smart phones
Supported browsers	Google Chrome, Mozilla Firefox, MS IExplorer, Apple Safari
Security	VPN tunnel according to IPSec standard, secure protocols (SSH/SSL, SFTP, HTTPS)
Language	German, English, French, Italian, Dutch

DEVICE SOFTWARE

Operating system	Linux, Kernel 2.6
Communications platform	EnergyManager Portal (Cloud)
Management	Offline: Integrated webserver, online: Cloud access
Security	VPN tunnel according to IPSec standard, secure protocols (SSH/SSL, SFTP, HTTPS)
Firmware and app updates	via update server
Language	German, English, French, Italian, Dutch

SUPPORTED INVERTERS AND STORAGES

SUPPORTED INVERTERS AND STORAGES	CONNECTION VIA	FUNCTIONS
STECA Steca Grid coolcept	direct connection via RS485*	Measuring / dynamic throttling in compliance with German renewable energy legislation
SMA (older generation)	direct connection via RS485*	Measuring / dynamic throttling on request (some SMA devices only on request)
KOSTAL PIKO	direct connection via RS485*	Measuring / dynamic throttling in compliance with German renewable energy legislation
SolarEdge	direct connection via RS485*	Measuring
Fronius	via Ethernet	Measuring / dynamic throttling in compliance with German renewable energy legislation
SMA (SunSpec certified devices)	via Ethernet	Measuring / dynamic throttling in compliance with German renewable energy legislation
Other inverters	via SO-interface (for example with EnergyMeter)	Measuring
MyReserve	via CAN interface	Measuring / monitoring

*if different manufacturers: 1 manufacturer per interface

SUPPORTED SMART HOME COMPONENTS

SUPPORTED SMART HOME COMPONENTS			CONNECTION VIA		FUNCTIONS
	Wireless technology	required firmware	supported plugs		
myStrom Smart Home	WLAN	/	myStrom WiFi Switch	devices with standard plug (F, J)	Measuring / switching (max 16 A)
Fibaro Home Center	z-Wave	ab 4.0.8.0	Fibaro Plugs	devices with standard plug	Measuring / switching (max 16 A)
			Devolo Plugs	devices with standard plug	Measuring / switching (max 16 A)
			Aeotec Plugs	devices with standard plug	Measuring / switching (max 16 A)

ADDITIONAL SUPPORTED APPLIANCES

ADDITIONAL SUPPORTED APPLIANCES	CONNECTION VIA	FUNCTIONS
Appliances without standard plug	EnergyMeter (S0 pulse measurement)	Measuring
Hot water pump (SG ready / with standard plug)	EnergyManager Heat Pump Kit	Measuring / regulating
Hot water pump (SG ready/ fixed wiring)	Digital Extension, EnergyMeter, coupling relay	Measuring / regulating
Heating element (fixed wiring)	Digital Extension, EnergyMeter, coupling relay	Measuring / switching