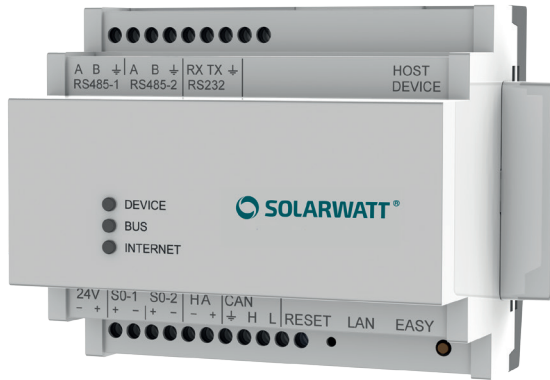


PRODUCT



EnergyManager pro

Managing energy

Energy independence within reach

EnergyManager reduces energy costs for your customers and allows them to look at electricity bills with a sense of relief. It keeps an eye on all energy flows within your household and automatically actuates many key electrical devices, so that they are powered by free, self-generated PV-power and ensure worry-free convenience.

The EnergyManager pro offers proven technology, different interface options and expandability. It is installed on the top-hat rail in the control cabinet.

- Overview of all energy data – available anytime, anywhere
- Exploits the full potential of PV system and battery
- Integrates water heating or e-mobility
- Automated switching of appliances when surplus PV-power is available
- Price guarantee due to self-generation of power
- Maximum data security

SCOPE OF DELIVERY

- EnergyManager incl. power adapter
- Network cable



OUR SERVICE

Full Coverage

optional on purchasing a Solarwatt system solution*

Guaranty of origin

quality made in Germany

Competent Consulting

experts via hotline or on location

SOLARWATT Battery flex ready

perfect system integration

* As specified in insurance conditions

GENERAL DATA

Device supply	via external top hat rail power supply (230 V AC/24 V DC; 1,5 A; 3 TE)
Power input	2,4 W
Ambient temperature	-10°C to +40°C
Housing	Composite
Dimensions (BxHxT)	108 x 90 x 70 mm, 6 TE (horizontal pitch)
Installation type	Top-hat rail TS35
IP rating	IP20

I/O INTERFACES AND CONNECTABLE DEVICES

Ethernet	1x RJ-45 10/100Mbit	
	2x RS485	10 devices per interface
Clamp connection	2x SO/Digital In	1 device per interface
	1x CAN	AC-Sensor
USB	Serial number ERBxx-xxxxxxxx, ERCxx-xxxxxxxx: 2x USB-2.0-Device, USB socket type A	
	Serial number ERKxx-xxxxxxxx, ERZxx-xxxxxxxx: 1x USB-2.0-Device, USB socket type A	

SUPPORTED METERS

	Connection via				Functions
	LAN	WIFI	CAN	SO	
AC-Sensor Flex			X		Main meter*
	X				Main meter* connected with Battery flex
KDK PRO380-S				X	Main meter*, energy meter, generation meter
Shelly Pro 3EM	X	X			Main meter*, energy meter, generation meter
EnergyMeter				X	Energy meter, generation meter
Manager meter 1-phase				X	Energy meter, generation meter

* Requirements for use as main meter for energy management: bidirectional meter, balancing measuring method (consumption/purchase of the individual phases are netted against each other)

SUPPORTED APPLIANCES SECTOR E-MOBILITY (WALLBOXES)

	Connection	Functions	Number of connectable devices
Keba P30 (x-series, c-series)	LAN	measuring/switching	1 device
Webasto Live	LAN	measuring/switching	1 device
Webasto Next	LAN	measuring/switching	not limited
Alfen (Eve Single S-line, Eve Single Pro-line) *	LAN	measuring/switching	1 device

* For the connection to Energy Management, the Alfen software licence 'Active Load Balancing' is required.

SUPPORTED APPLIANCES SECTOR HEAT

	Connection	Functions	Number of connectable devices
Appliances without standard plug	EnergyMeter (SO-pulse measurement)	measuring	not limited
Heating element EGO Smart Heater Ethernet**	LAN	measuring/ switching	2 devices*
Heating element EGO Smart Heater RS485**	RS485	measuring/ switching	1 device*
Heating element (fix cable)	Shelly 3EM	measuring/ switching	X
Heating heat pump or hot water pump (SG Ready)	Shelly 3EM	measuring/ switching	X

SUPPORTED SMART HOME COMPONENTS

	Connection		Functions
Shelly Pro 1PM, Pro 2PM, Pro 4PM	WIFI, LAN	DIN rail	measuring/ switching
Shelly Plus 1PM, Plus 2PM	WIFI	flush mounting installation	measuring/ switching
Shelly (Plus) Plug S	WIFI, Bluetooth	appliances with standard plug	measuring/ switching
myStrom WiFi Switch	WIFI	appliances with standard plug (Typ F, Typ J)	measuring/ switching