Energy Management Systems 2024

Combining PV systems, e-charging stations and heating solutions in a smart network

In this overview we show you compatible systems from different manufacturers. Each energy management system communicates with selected products via a wireless connection, bringing the devices together in a single system. This enables a wide range of functions and intelligent networking.

Energy Management System	Required Hardwares (Energy Meter,...)	Inverter	Battery	Charging Station		Heating Rod		Smart Home
				Manufacturer	Model	Manufacturer	Model	
Fronius	Fronius Smart Meter*	All Fronius inverters	BYD	Fronius	Wattpilot Go Wattpilot Home	Fronius	Ohmpilot	-
						Vulcanic Triatherm	COSMO 3 kW, COSMO 6 kW, COSMO 9 kW	
						my-PV	AC-THOR / AC-THOR 9s / AC ELWA 2	
KOSTAL	Kostal Smart Energy Meter G2	All Kostal hybrid inverters	BYD Pylontech	Kostal	Enector	my-PV	AC ELWA-2 AC-THOR AC-THOR 9s	-
						SMARTFOX	SMARTFOX Heating rod	
LG Life's Good	(integrated in LG ESS)	LG ESS Home	LG HBC	-	-	-	-	-
SMA	SMA Sunny Home Manager 2.0	All SMA inverters	SMA Home Storage BYD Pylontech	SMA	EV Charger, eCharger	my-PV	AC ELWA 2 AC-THOR AC-THOR 9s	Edimax SP-2101W V3 Smart Plug, Moxa ioLogik E1214
				Mennekes	Amtron Xtra, Premium, Professional (from version 5.22),Charge Control (from version 5.22)			
SMARTFOX	SMARTFOX S0 Monitoring + SMARTFOX Pro 2 inkl. CTs	SolarEdge, SMA, Fronius, Kostal, RCT, LG ESS, Sungrow	Sungrow SBR Battery RCT Power Battery all other restricted**	KEBA	KeContact P30 C-series, KeContact P30 X-series, P30 Dienstwagen-Wallbox, P30 PV Edition	SMARTFOX	SMARTFOX Heating Rod EGO Smart Heater	-
				Mennekes	Amtron Xtra, Premium	Fronius	Ohmpilot****	
solaredge ONE	SolarEdge Inline-Energy Meters or SolarEdge Modbus-Energy Meters	All SolarEdge hybrid inverters	SolarEdge BYD LG Energy Solutions	SolarEdge	SolarEdge Home EV charging station	my-PV	AC ELWA 2 AC-THOR AC-THOR 9s	Smart energy plug, AC-switch with meter, potential-free contact
						SolarEdge	Home hot water regulator	
Solar-Log	Solar-Log Meters or compatible meters opt.: MOD I/O opt.: MOD 485 + Solar-Log Base + Power Supply 24V	SolarEdge, SMA, Fronius, Kostal, GoodWe, RCT Power, Sungrow, Fox ESS	RCT Power, SMA Sunny Island + Battery ***	KEBA	KeContact P20 C-series, KeContact P30 C-series, KeContact P20 X-series, KeContact P30 X-series	my-PV	AC ELWA 2 AC-THOR AC-THOR 9s	Various Smart Plugs

*   For the Fronius Light versions the Datamanager 2.0 is also required.
**   To ensure long-term service, the automatic updates for the inverter and battery must be deactivated. This system configuration is often not approved by the inverter manufacturers and is not recommended.
***   Only AC-coupled systems (battery inverters)
****   All electric heating elements intended to be operated with the Fronius Ohmpilot must have a connection for the neutral conductor. Phase and neutral conductors must not be interchanged. In the case of 3-phase heating rods, it is important to ensure that the neutral conductor connection is present at the neutral point. The neutral conductor must be connected.

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