

EDML-10



Reliable

- High-performance and robust industrial quality
- No maintenance work thanks to fanless device design

Future-Proof

- Designed for the integration of additional energy generation or compensation systems
- Access to the energy markets of the future, based on ennexOS

Functional

- Highly dynamic farm control to ensure compliance with international grid connection requirements
- Central information interface for the entire power plant

Securely connected

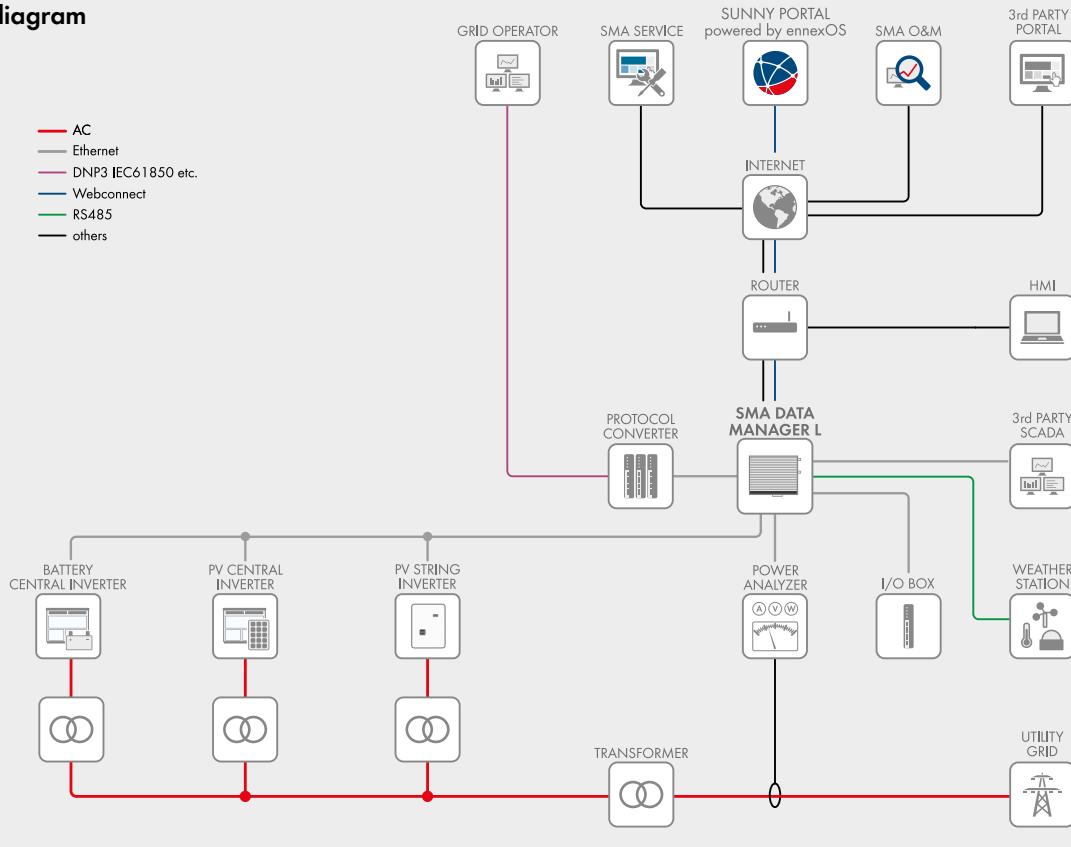
- Remote control, monitoring, diagnosis and parameterization via secure connections

SMA DATA MANAGER L

Reliable power plant operation in intelligent utility grids

The DATA MANAGER L is the solution for reliable monitoring, control and grid-compliant output regulation for all solar power plants in the megawatt range with central or string inverters. Based on the new ennexOS software platform, its flexible, expandable design also makes it ideal for the requirements of hybrid energy generation and for intelligent connectivity. For PV system operators, grid operators, marketers and service technicians, the DATA MANAGER L is the central data exchange interface with the plant. Highly dynamic, demand-oriented farm control not only ensures that the power plant runs efficiently but also helps to stabilize the utility grid. The compact DATA MANAGER L can be easily integrated into existing switch cabinets. As a turnkey solution, the DATA MANAGER L is available as POWER PLANT MANAGER in a robust wall cabinet including additional system components.

System diagram



Technical Data	SMA DATA MANAGER L
Communication	
SMA devices	Max. 200 devices
I/O systems and power analyzers	Max. 10 devices, Ethernet, Modbus TCP
Connections	
Voltage supply	3-pole connection
Network (LAN)	2 x 10/100/1000 Mbps (RJ45)
Serial interface	2 x RS-485, D-Sub 9
USB interfaces	1 x USB 3.0, 2 x USB 2.0 (type A)
Digital inputs	4 x DI, 0 to 30 VDC
Voltage supply	
Supply voltage	9 to 36 VDC, typ. 24 VDC (UPS* > 5s)
Current / Power consumption	2 A at 9 VDC (typ. 18 W)
Ambient conditions during operation	
Ambient temperature	-40 °C to +70 °C
Permissible range for relative humidity (non-condensing)	5% to 95%
Maximum operating altitude above MSL	3000 m (≥70 kPa)
Degree of protection according to IEC 60529	IP20
General Data	
Dimensions (W / H / D) without mounting adapter	150 mm / 120.2 mm / 48.8 mm
Weight	0.94 kg
Mounting location	Indoors
Mounting type	Top-hat rail mounting / wall mounting
Material type	Aluminum
Equipment	
CPU	Intel® Atom™ processor (quad core, 1.91 GHz)
Data storage	Solid-state disk (SSD), 128 GB
Warranty	5 years
Certificates and permits (more available upon request)	UL/EN 60950-1, UL 508, EN 55022/24, CISPR 22, EN 61000-6-2/6-4, FCC Part 15B Class A
Accessory	
I/O systems by Moxa Europe GmbH	ioLogik E1242 (4AI/4DI/4DIO), SMA order number: eIO-E1242 ioLogik E1260 (6RTD), SMA order number: eIO-E1260
I/O systems by WAGO Kontakttechnik GmbH & Co. KG	WAGO I/O SYSTEM 750 (8DI, 8DO, 4AI, 4AO, 2RTD), SMA order number: eIO-750Bundle
Last updated: 10/2020 * operation only at uninterruptible power supply with potential-free contact	
Type designation	EDML-10