

AE IMC SmartHybrid

Lower your costs with PV-diesel hybrid systems

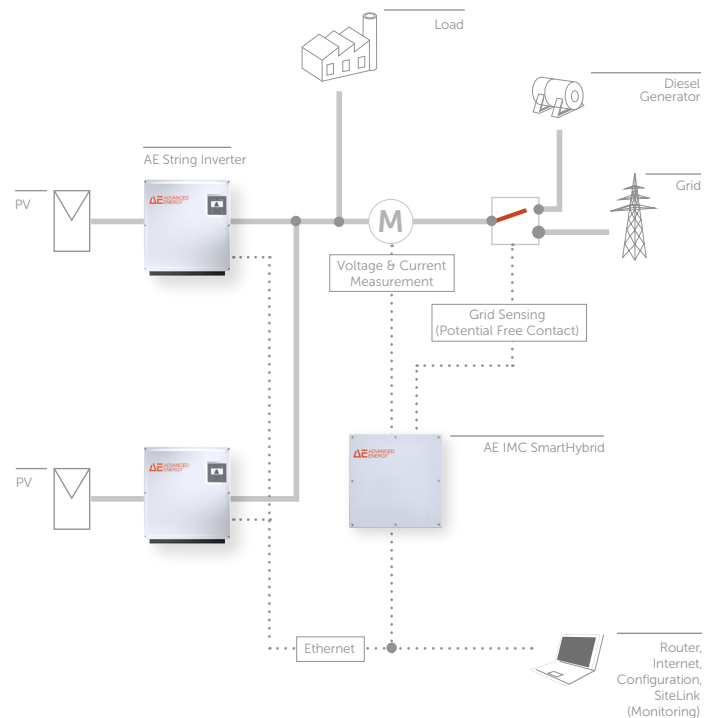


- Lower your variable energy costs
- Reduced CO₂ emissions
- Gain increased independence from diesel prices

Oil prices increase, costs for PV systems decrease: Conditions are now ideal to switch over to PV-diesel hybrid systems. PV-diesel hybrid systems operate a PV system in parallel to a diesel generator. The beauty of these systems is that the two power sources, the diesel generator and PV system, work in concert with one another. AE IMC SmartHybrid assumes this demanding task. It monitors the output of the PV system and optimizes the power balance between diesel generator and PV system.

AE IMC SmartHybrid reduces fuel requirement, CO₂ emissions and load hours of the generator. As a result, your energy and operating costs are lowered. AE IMC SmartHybrid gives you greater independence from diesel prices and makes it possible for you to set up stable and efficient autonomous solutions, even when sufficient infrastructure is not available.

The PV-diesel hybrid system is scalable and works with PV systems from 8 kW to 5 MW. If you already operate a diesel generator, you can expand the system into a PV hybrid system at any time.



TECHNICAL DATA

AE IMC SmartHybrid

Art. No. 904R101

APPLICATION

Typical application	PV Hybrid systems dynamic control
Compatible AE inverters	AE 3TL 8 ... 46 kW string inverter, AE 3TL 333 kW central inverter
Numbers of Diesel generators supported per Unit	1

COMMUNICATION

Max. number of inverters	14
Communications to inverters via	Ethernet

INPUTS/OUTPUTS

Digital Inputs	8
Digital Output	4
Ethernet	1

ELECTRICAL DATA

Voltage range AC, V	100-240 (UPS recommended)
Rated frequency, Hz	50 / 60
Power consumption, W	Max. 40

GENERAL DATA

Operation/storage temperature, °C	-20 ... 55 / -25 ... 85
Relative ambient humidity, %	10 ... 95
MSL -> ASL, m	3000
Type of protection	IP65
Standards	IEC 60068-2-27, IEC 61000-6-2 & 4, IEC 605329, EN 61131-2
Dimensions, W x H x D, mm	405 x 405 x 160
Weight, kg	8.5

MATCHING ACCESSORIES

Current transducer (suitable rating)	AE WirelessConnect (Art. No. 911R002)
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No responsibility is taken for the correctness of this information. Subject to modification.

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