EFASOLAR
PVStation Solutions

efacec

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Overview

Efacec's comprehensive range of products covers the entire electric conversion chain for photovoltaic power plants. As a century-long experienced company in providing power conversion product solutions, Efacec joins its major competences in order to develop advanced fully integrated photovoltaic converter stations.

EFASOLAR PVStations are highly competitive solutions for large photovoltaic plants. Comprising all products with in-house developed technology, the highest efficiency and reliability standards are achieved through Efacec's power inverters, medium voltage switchgear, step-up transformer and energy automation solutions.

Furthermore, for an entirely integrated approach, Efacec is also able to provide photovoltaic grid-connection substations and interface solutions to the grid operator dispatch through its energy automation solutions.

In order to ensure the highest performance during the lifetime of the PVStations, lifecycle support service options are available from base maintenance to a 24/7 protection approach and multiple after sales packages that assure high availability and performance of the solutions.

Efacec is a global player with presence in more than 65 countries that allows local support and fast response to the customer assets.

Rated Power	1000 kW		1260 kW		1460 kW
EFASOLAR Inverter	2 x 500M	2 x 500	2 x 630M	2 x 630	2 x 730
Recommended PV Power	2 x 540 kW	2 x 550 kW	2 x 680 kW	2 x 705 kW	2 x 775 kW
MPPT Range	480 V - 820 V	475 V - 830 V	540 V - 820 V	510 V - 830 V	555 V - 830 V
Maximum DC Current	1084 A	1200 A	1140 A	1300 A	1350 A
Transformer	Oil Immersed / Dry Type				
Power	1000 kVA		1260 kVA		1460 kVA
Number of LV Windings	2				
Switchgear	IS + IS + CIS / IS + CIS(1)				
Voltage	≤ 36 kV				
Insulation	Air / SF6				
Enclosure	Concrete / Container / Skid Platform				
Dimensions (WxDxH)	≤ 7500 x 2730 x 3200 mm / 20 ft. - 40 ft. Container / ≤ 9000 x 2980 x 2950 mm				
Weight	≤ 35 tons				
Cooling	Forced Air				
Protection Degree	IP 23D				
Auxiliary Supply	2700 VA / 230 V / 50 Hz				

(1) Different configurations available upon request.

Efacec Inverter

1 MW	2x EFASOLAR 500M 2x EFASOLAR 500
1,26 MW	2x EFASOLAR 630
1,46 MW	2x EFASOLAR 730

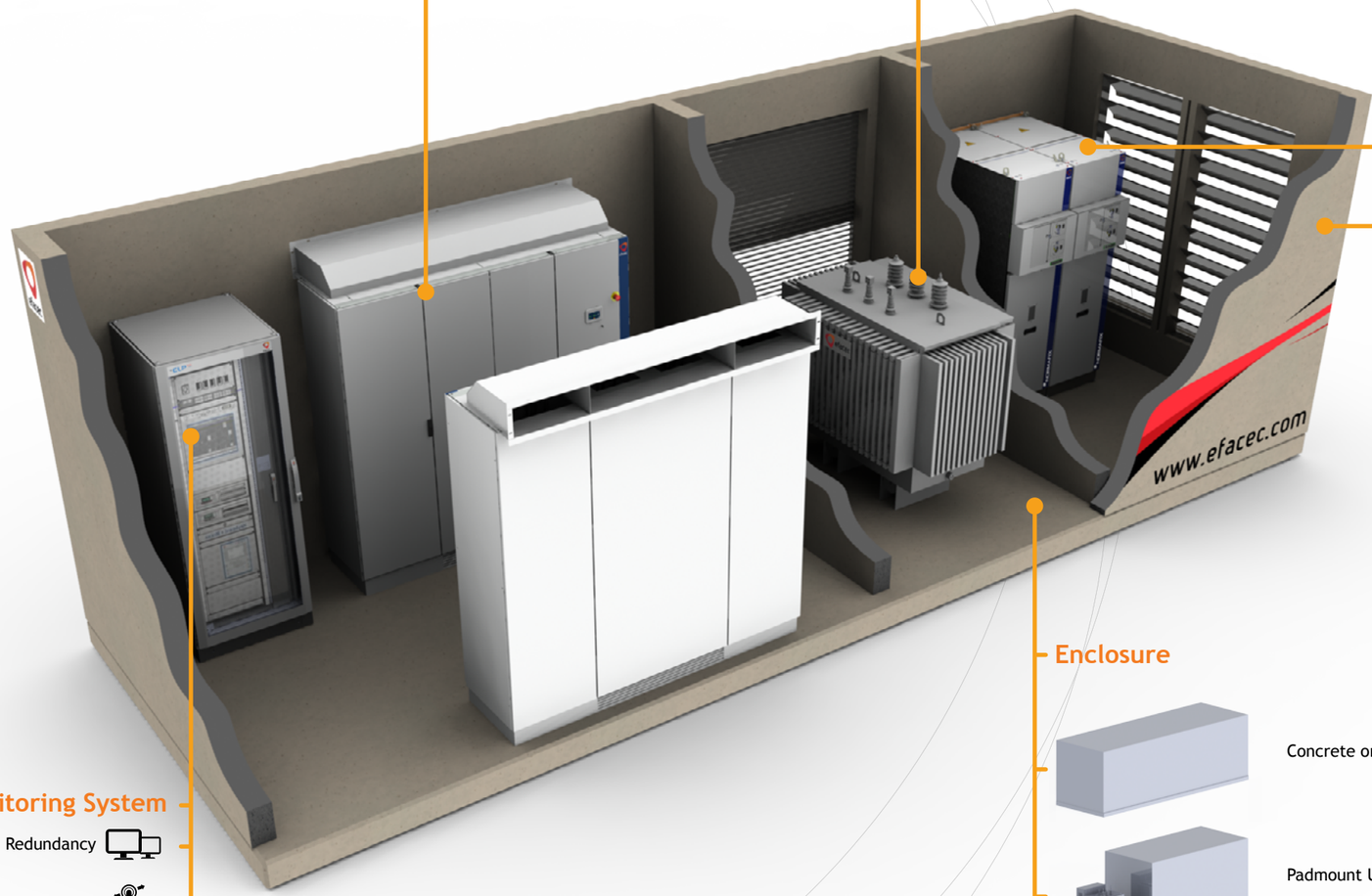
- Multiple d.c. Inputs & Integrated Fuses with Individual Current Measurement
- Power Control & Grid Support Features

Efacec MV Transformer

- Oil
- Dry
- Outdoor

Efacec MV Switchgear ≤ 36 kV

- Configurable Blocks
- Metering
- Compact
- Modular



After Sales

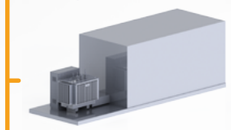
- Hotline
- Maintenance
- Life Cycle Warranty Options

Efacec SCADA Monitoring System

- Redundancy
- User Friendly
- Power Plant Controller
- String Monitoring Integration
- Dispach / DNO / ISO Interface

Enclosure

- Concrete or Metal



- Padmount UL

- Container

Headquarters

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Visitez notre site Web

Due to continuous development, specificatio

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