

ZGR SOLAR PS POWER STATION

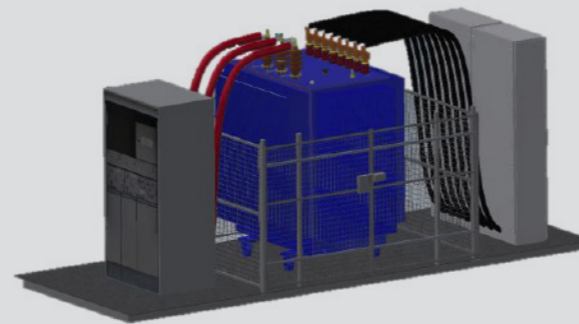
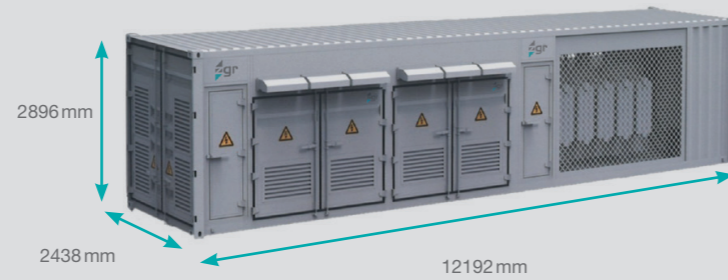
ZGR SOLAR PS is the key solution ideal for large plants photovoltaic.

ZGR SOLAR PS is a plug and play solution in container, skid or concrete booth options; fully equipped for the connection of investors to a Medium Voltage Transformation Center and Switchgear, in addition to auxiliary services and communications for use in facilities photovoltaic and/or energy storage.

It is a turnkey solution that allows increase the overall efficiency of a conversion system and reduce installation costs.

All the equipment that composes it is adapted according to the required technical specifications and combine to achieve maximum performance, efficiency, and uninterrupted operation during its entire useful life.

ZGR SOLAR PS



Applications



PV ON-GRID



MEDIUM VOLTAGE PV



ENERGY SAVINGS

Characteristics

- Adaptable to the plant output voltage range
- For applications where maritime transport is required Standard 20/40-foot container
- Easy installation (Plug & Play)
- Medium voltage transformer for PV generation applications
- Multiple protections
- Custom made for each project

TECHNICAL SPECIFICATIONS		
Model	ZGR SOLAR PS3300	ZGR SOLAR PS 6600
INPUT [DC]		
Voltage Range	400 - 800 V	
Maximum current	2761 A	5522 A
OUTPUT [AC]		
Power rating	3,3 MVA	6,6 MVA
Rated Voltage	10 - 36kV	
Grid Frequency	50 / 60 Hz (± 4,5 Hz adjustable)	
THDi	< 3%	
EFFICIENCY		
Máx. / European	99 % / 98,7%	
PROTECTIONS		
AC fault monitoring	Yes	
Ground fault monitoring	Yes	
LVRT	Yes	
Anti-islanding	Yes	
Reverse Polarization	Yes	
AC Overvoltage	Yes	
DC Overvoltage	Yes	
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS		
Cooling Method	Forced ventilation (fan)	
Operating Temperature Range	-10°C a +40°C	
Max. relative humidity (without condensation)	0 to 95%	
Max. operating altitude (without derating / with derating)	2000m / 4000 m	
Noise emissions	< 65dB	< 65dB
Dimensions (Height x Width x Length)	2896 x 2438 x 6058mm (20 feet)	2896 x 2438 x 12192mm (40 feet)
COMMUNICATIONS		
Communications	RS485, Ethernet (optional)	

**It will depend on the LV system (String Type Investors)*

These specifications may change without notice

Connections

