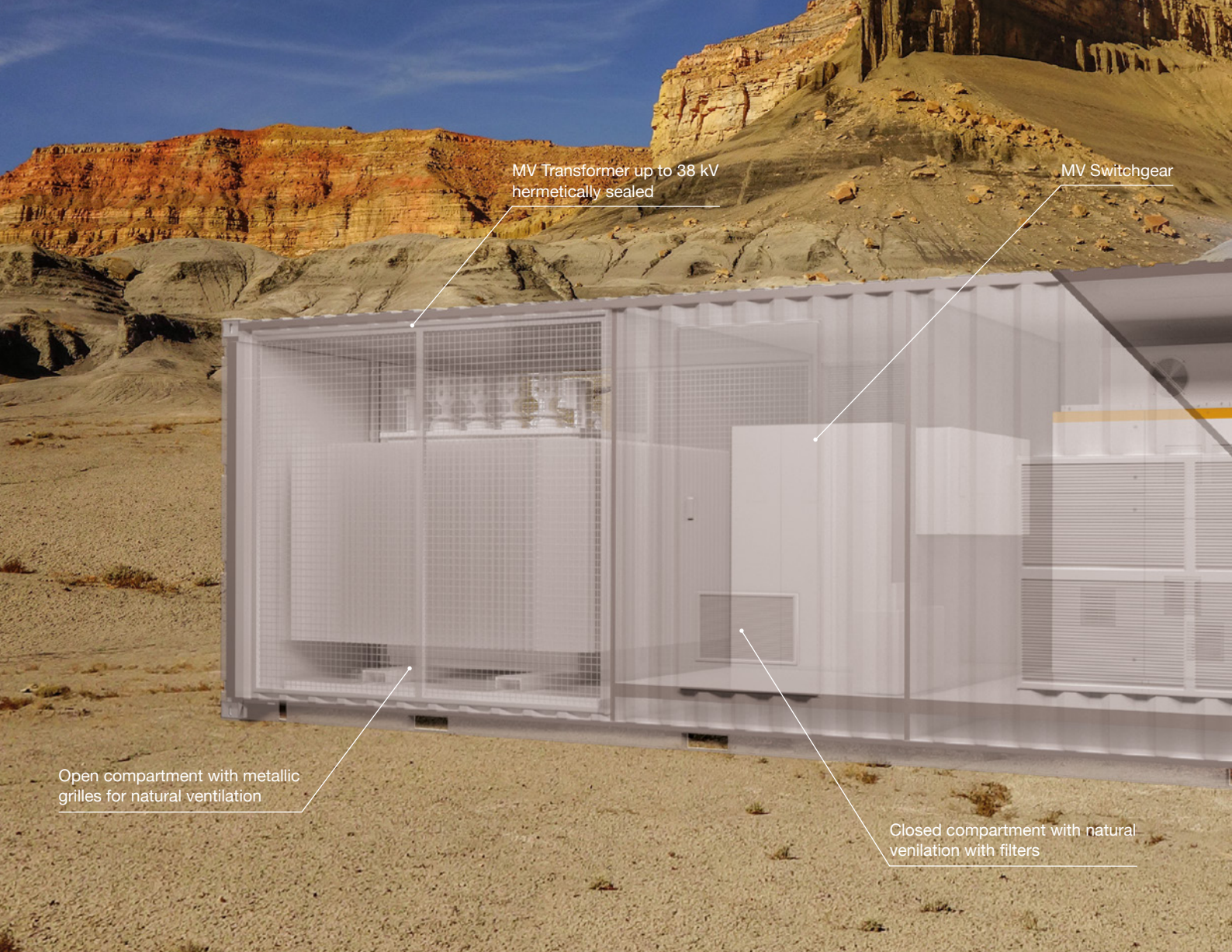




Gamesa Electric PV Station 5000

Plug & play MV solution for large-scale
1500 V power plants





MV Transformer up to 38 kV
hermetically sealed

MV Switchgear

Open compartment with metallic
grilles for natural ventilation

Closed compartment with natural
ventilation with filters

Gamesa Electric PV Station 5000 Plug & Play MV Solutions



**Performance at
harsh environmental
conditions**

Double physical protection
(metallic container and
inverter enclosure) against
dust and sand

Liquid cooling allows to
reduce air flow exchange
necessities, avoiding dust
and sand entrance in critical
components

Any O&M task can be
performed within the building
(metallic container), avoiding
climatic conditions exposure



Reliability

5 MW solution based on 2
field-proven Gamesa Electric
PV 2500 inverters

More yield in challenging
sites: operating up to 50°C
and 2000 m without derating

Best support available from
our service organization



Plug & play

Fully assembled and tested
MV solution

Quick installation on field,
reducing installation time
and costs

Easy to support and maintain



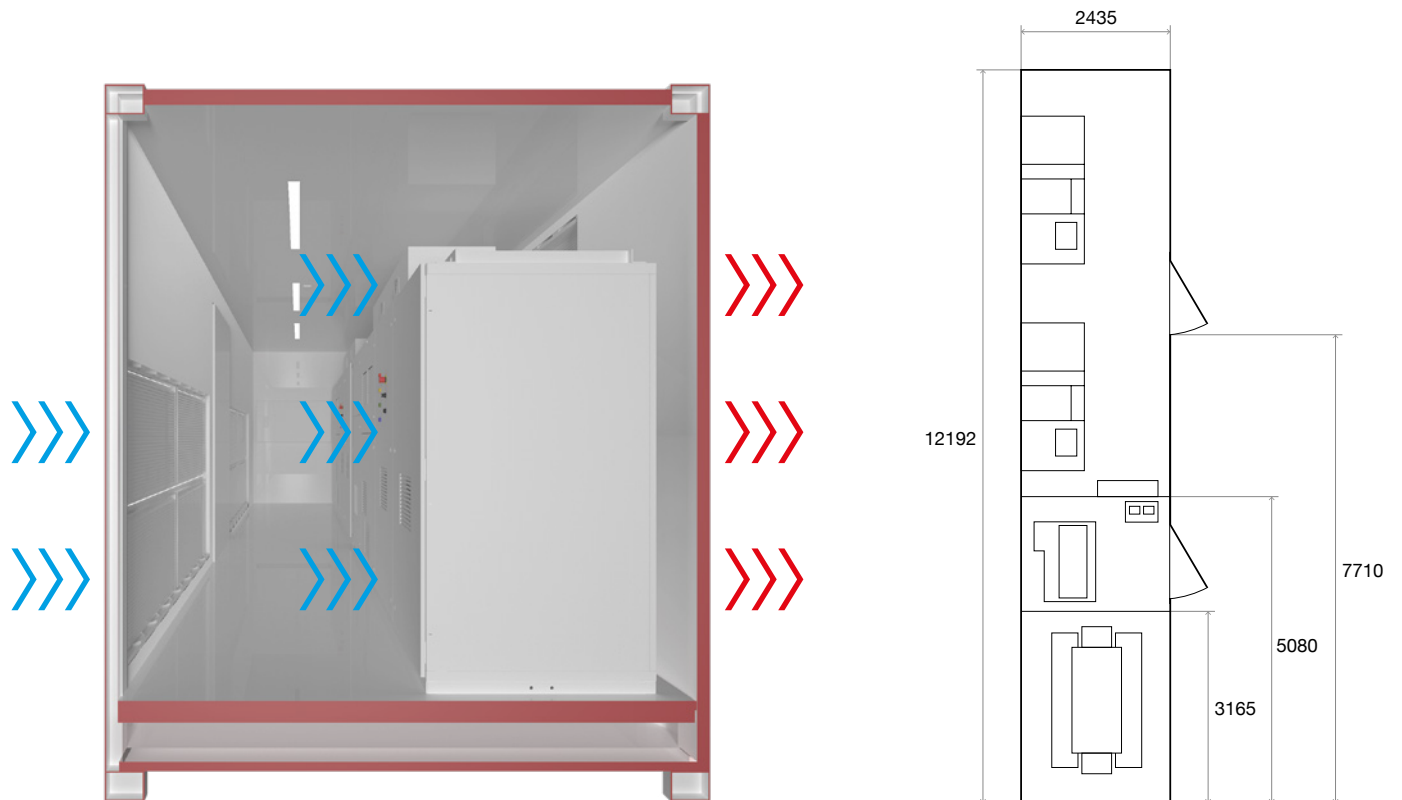
The best performance
even under harsh environments



Gamesa Electric PV 2500 inverters
with liquid/air active cooling



Closed compartment with natural ventilation
with metallic grilles with filter for the air inlet



Shaping New Energy

PV Station 5000	
Input (DC)	
Number of Inverters	2 x Gamesa Electric PV 2500
Maximum Input Power	Up to 6000 kWp
DC Voltage Range, MPPT	900-1300 V
Maximum DC Voltage	1500 V
Maximum DC Current per Inverter (25°C)	2936 A
Number of DC Inputs	Up to 48
MPPT	2
Output (AC)	
AC Output Power @ PF=1, 25°C	5200 kVA
AC Output Power @ PF=1, 40°C	5100 kVA
AC Output Power @ PF=1, 50°C	5000 kVA
MV Switchgear	0L1V/1L1V/2L1V SF6 isolated
Transformer Type	KNAN/ONAN hermetically sealed
Maximum AC Current per Phase (50°C)	2300 Arms
Total Harmonic Distorsion (THD)	<3% @Sn
Power Factor	0-1
Inverter Efficiency	
Maximum	99.0%
Euro-efficiency	98.8%
CEC	98.97%
General Data	
Dimensions (W/H/D)	12192 x 2896 x 2435 mm
Weight	21000 kg
Operation Temperature	-20°C to 60°C (up to 50°C without derating)
Maximum Altitude (without Derating)	2000 m
Maximum Relative Humidity (without Condensation)	95%
Degree of Protection	IP53 (inverter and MV switchgear compartments) IP10 (transformer compartment)
Own Consumption in Operation per Inverter	<4100 W
Stand-by Operation Consumption per Inverter	<200 W
Protections	
AC Voltage Protection	Motorized AC circuit breaker
DC Voltage Protection	Motorized DC disconnecter switch
DC Overvoltage Protection	Type II
Galvanic Isolation (Transformer)	YES
Protection for Auxiliary Systems	YES
Optionals	
String Boxes Monitoring	IEC 62271-202
UPS for Supplying Trackers	IEC 62271-200
Motorized MV Switchgear	IEC 60076
IP 54 Protection Kit	IEC 61439-1
Seismic Reinforcement	IEC 61000-6-2
Power Plant Controller	UNE-EN 55011:2016
	IEC 62109-1/2
	IEC 62116
	IEC 61683
	CE marking
Standards	



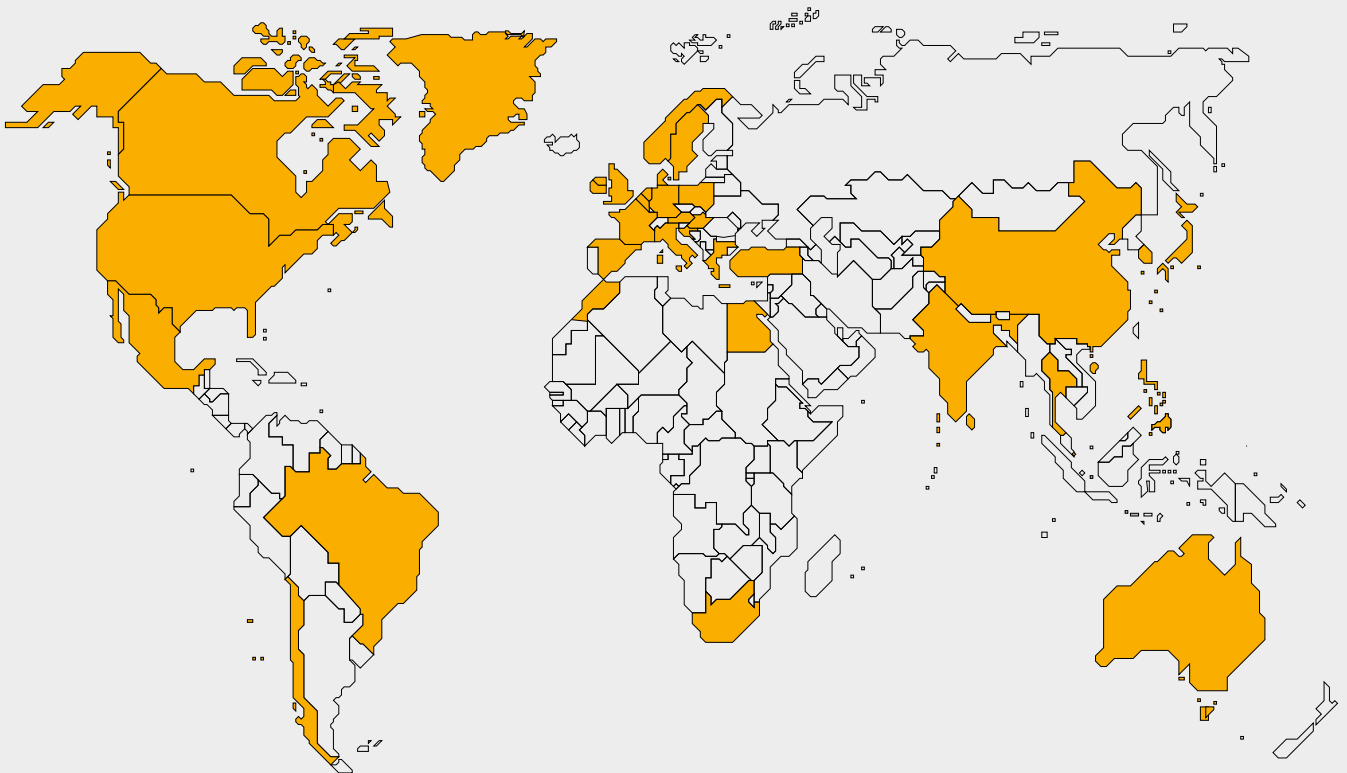
+2400
PV INVERTERS



+90 GW
Wind & Solar
INSTALLED



+90
COUNTRIES



Worldwide presence

- | | | | | | | |
|-----------|---------|-----------|---------|-------------|--------------|----------|
| Australia | Chile | France | India | Mexico | Poland | Thailand |
| Austria | China | Germany | Ireland | Morocco | Singapore | Turkey |
| Belgium | Croatia | Greece | Italy | Netherlands | South Africa | UK |
| Brazil | Denmark | Hong Kong | Japan | Norway | Sri Lanka | USA |
| Canada | Egypt | Hungary | Korea | Philippines | Sweden | |

