



Gamesa Electric

PV 3750

Maximum energy
for utility-scale projects

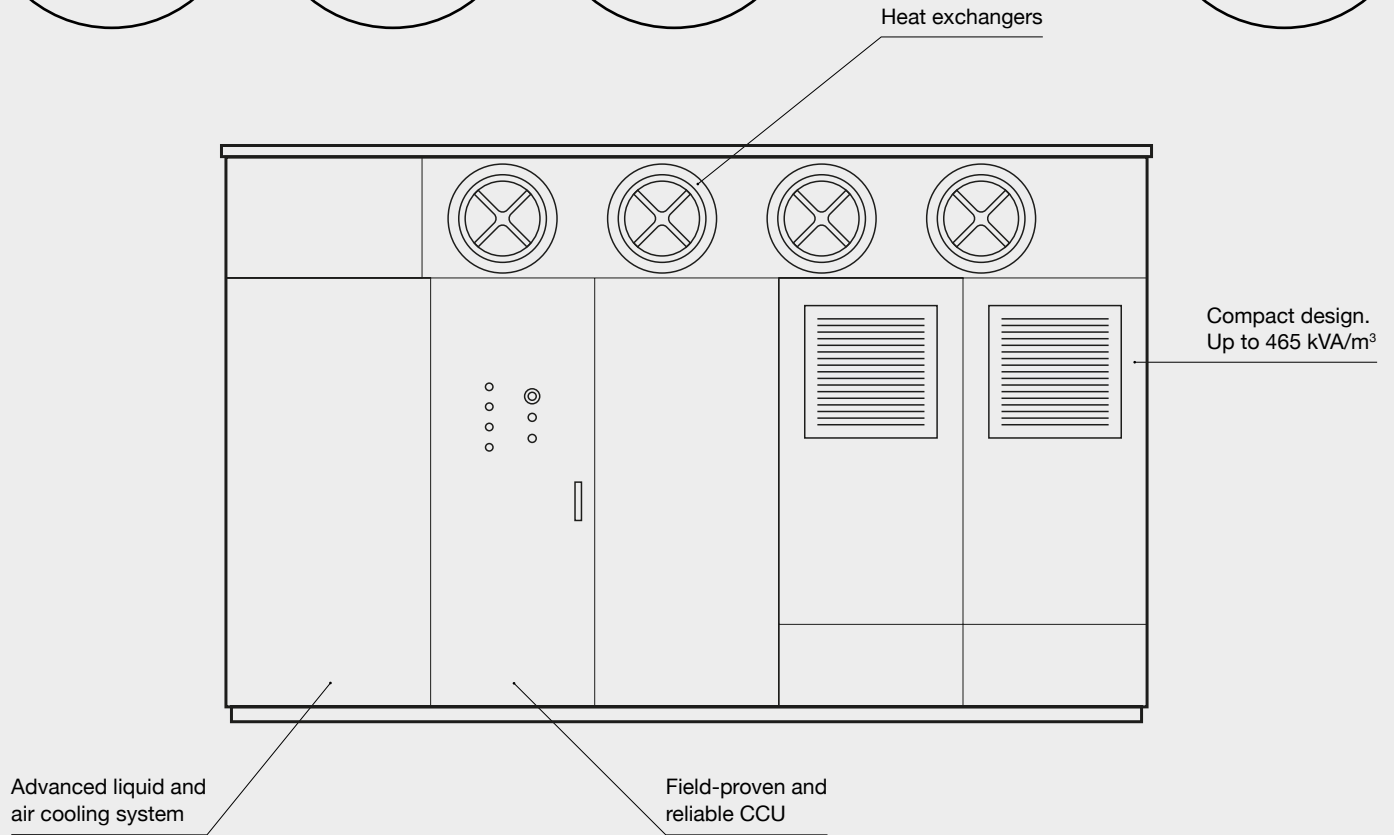


Outdoor solution




Compact and modular design

Up to 3750 kVA at 1500 V

HTD version for desartic conditions

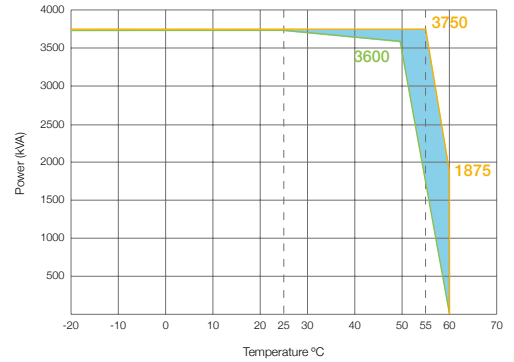


Gamesa Electric PV 3750 Photovoltaic Inverter

 <p>Better LCoE</p>	<p>Compact design which allows 2-inverter solution of up to 7500 kVA in a standard 40ft skid, achieving overall cost reduction by using less PV station units per project</p>	<p>Design with best-in-class component that guarantees less probability of failure and therefore less operation cost (materials and workforce)</p>	<p>Market leading inverter efficiency of 99%</p>
 <p>Reliability</p>	<p>Smart liquid/air cooling system that allows critical components to work at temperature level far below the limit, guaranteeing product life span</p>	<p>Tier I suppliers for critical components (power semiconductors, capacitors, inductances and control cards) with best-in-class MTBF values</p>	<p>“Easy to support” concept, with heavy components in removable trays, reducing maintenance and repair time (MTTR)</p>
 <p>Grid compliance</p>	<p>An extensive list of grid-codes compliance, including the most demanding ones, such as Germany, Mexico, Jordan, South Africa and more</p>	<p>Full operating range reactive power supply for both day and night operation through the so-called Statcom mode</p>	<p>Non-characteristic harmonics cancellation over distorted and unbalanced grids (weak grids)</p>

Gamesa Electric PV 3750		
	Standard	HTD
Input (DC)		
DC Voltage Range	915-1500 V	
DC Voltage Range MPPT	915-1300 V	
DC Maximum Voltage	1500 V	
Max. DC Current @25°C	2 x 2070 A	
Max. DC Current @50°C	2 x 1990 A	2 x 2070 A
Max. DC Current @55°C	2 x 995 A	2 x 2070 A
Max. DC Current @60°C	-	2 x 1035 A
DC/AC Ratio	1.60 (Up to 2 upon request)	1.55 (Up to 2 upon request)
Number of DC Ports	Up to 24 fuse +/- monitored Up to 36 fuse + monitored	
Output (AC)		
Number of Phases	Three-phase	
Nominal AC Power @25°C	3750 kVA	
Nominal AC Power @50°C	3600 kVA	3750 kVA
Nominal AC Power @55°C	1800 kVA	3750 kVA
Nominal AC Power @60°C	-	1875 kVA
Nominal AC Voltage	660 Vrms	
AC Power Frequency	50/60 Hz	
THD of AC Current	<1% @Sn	
Power Factor Range	Any	
Performance		
Max. Efficiency*	99.0%	
Euro-Efficiency*	98.8%	
Californian-Efficiency*	98.6%	
Stand-by Power Consumption*	<200 W	
Energy Production from	0.5% Pn approx.	
General Data		
Temperature Range - Operation	-20°C/+60°C	
Maximum Altitude**	2000 m (without derating)	
Cooling System	Liquid + forced air cooling	
Protection Class	IP54, NEMA 3R (IP65 as optional)	
Dimensions (W/H/D)	3508 x 2250 x 1022 mm	
Power Density @25°C	465 kVA/m ³	
Power Density @50°C	446 kVA/m ³	465 kVA/m ³
Weight	3500 kg	
Features		
Communications	Modbus TCP-IP	
Overvoltage Protection AC	Type I + II SPD	
Overvoltage Protection DC	Type I + II SPD	
DC Side Disconnection	Motorized DC load switch and fuse	
AC Side Disconnection	Motorized AC circuit breaker	
Main Standards		
IEC 62109		
IEC 61000-6-2		
IEC 61000-6-4		
IEC 62116		
IEC 61683		
IEC 60529		
IEC 61727		

HTD version available for optimizing performance in desertic conditions.
Up to 3.6% more energy yield in desertic sites.*



- PV 3750 HTD derating
- PV 3750 Standard derating
- Extra energy yield

* Based on independent third-party analysis for a 150 MWac project at Oman. Further details available under request.

* Preliminary value

** Up to 4000 m as optional



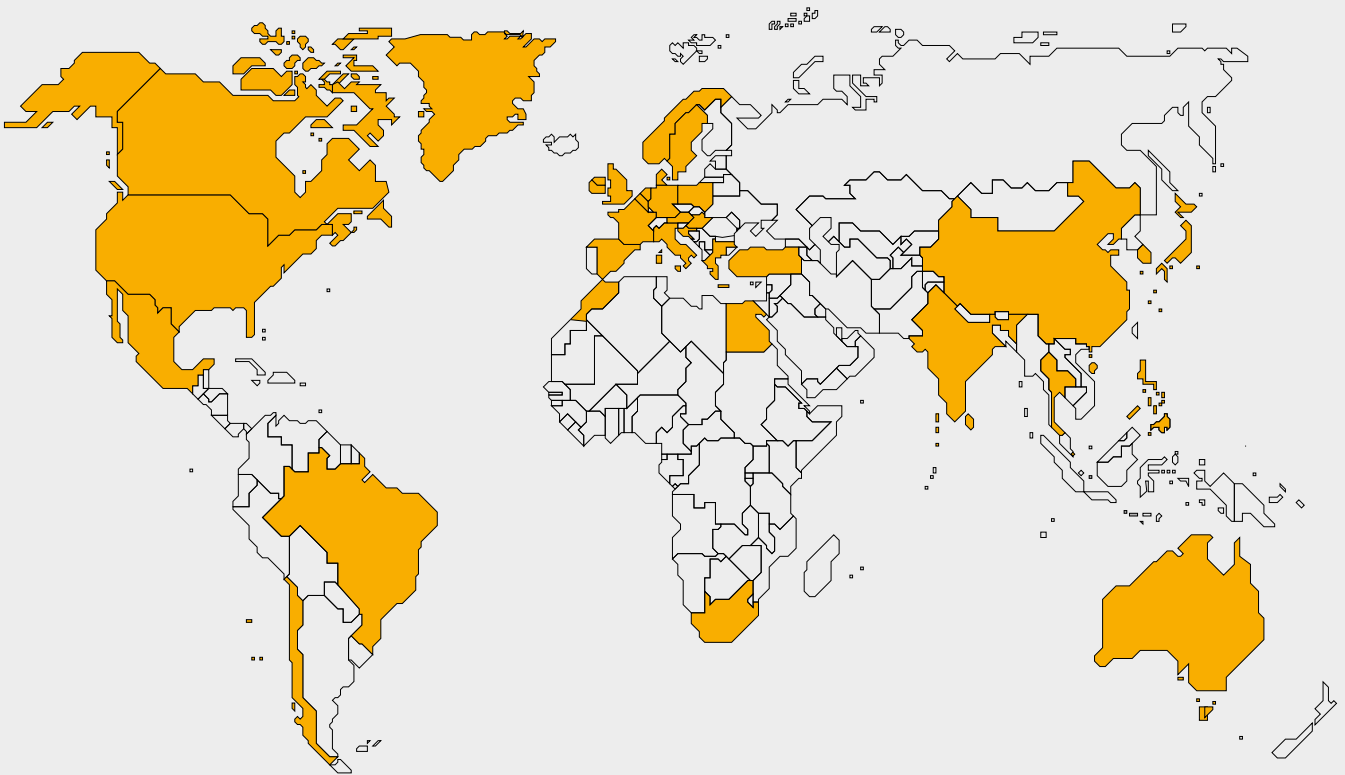
+2400
PV INVERTERS



+90 GW
Wind & Solar
INSTALLED



+90
COUNTRIES



Worldwide presence

Australia
Austria
Belgium
Brazil
Canada

Chile
China
Croatia
Denmark
Egypt

France
Germany
Greece
Hong Kong
Hungary

India
Ireland
Italy
Japan
Korea

Mexico
Morocco
Netherlands
Norway
Philippines

Poland
Singapore
South Africa
Sri Lanka
Sweden

Thailand
Turkey
UK
USA

