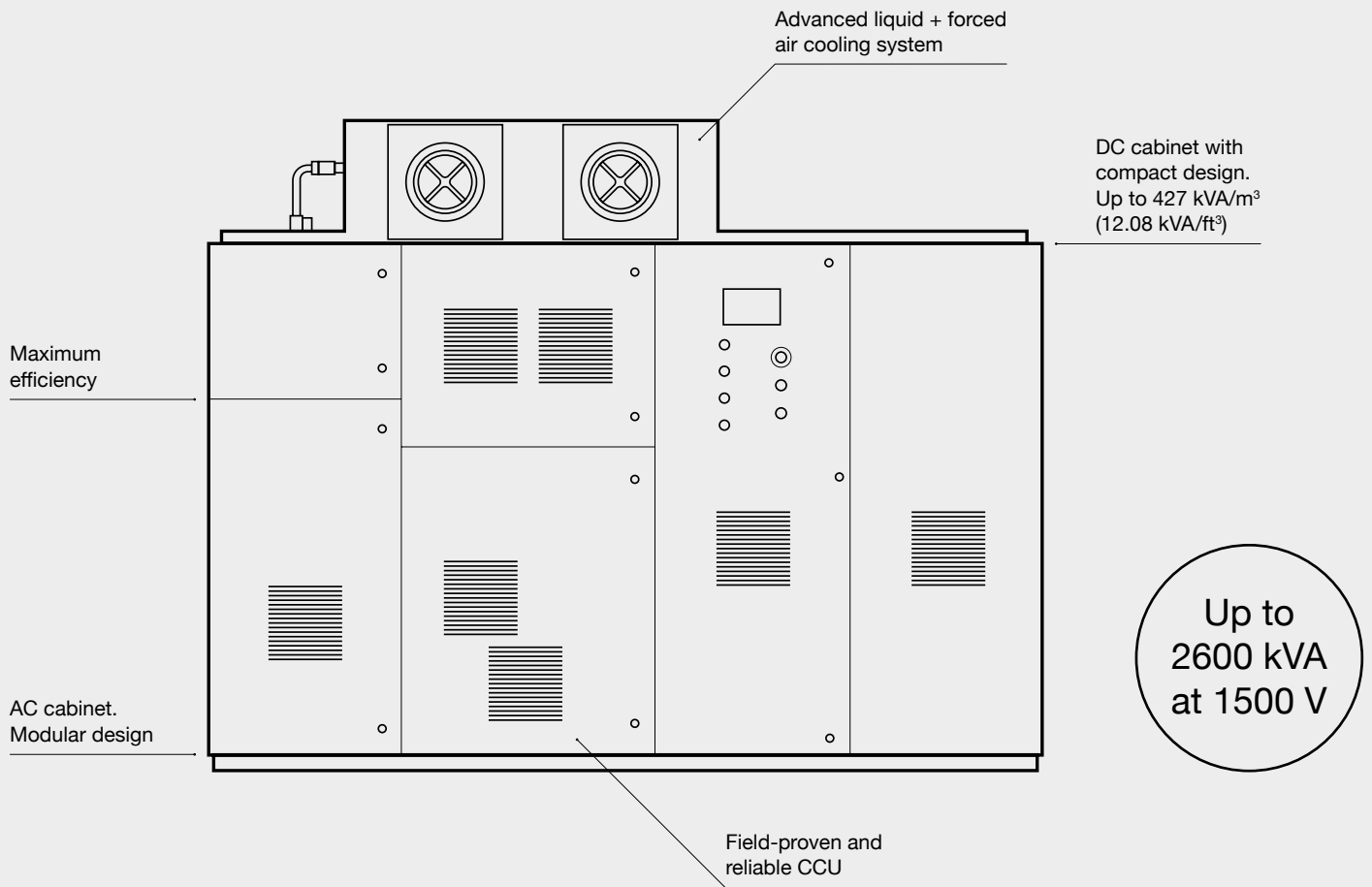


Gamesa Electric




PV 2250/2500

Efficiency and reliability
with optimum grid compliance





Gamesa Electric PV 2250/2500 Photovoltaic Inverter

 Maximum energy production	Market leading energy efficiency of 99.1% (IEC 61683)	Up to 50°C (122°F) and 2000 m (6561 ft) with no power derating	Enhanced MPPT algorithm to achieve outstanding MPPT efficiency values at static and dynamic states
 Reliability	Smart liquid & air cooling system that allows critical components to work at temperature level far below the limit, ensuring product life span	Tier I suppliers for critical components with best-in-class MTBF values	“Easy to support” concept, with heavy components in removable trays, reducing maintenance and repair time (MTTR)
 Grid compliance	An extensive list of grid-code compliances, including the most demanding ones, such as Germany, Mexico, South Africa and more	Full operating range reactive power supply for both day and night operation through the so-called Statcom mode	Non-characteristic harmonics cancellation over distorted and unbalanced grids

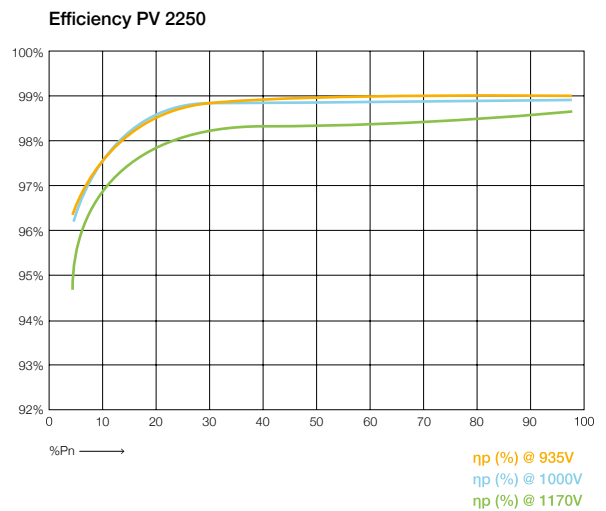
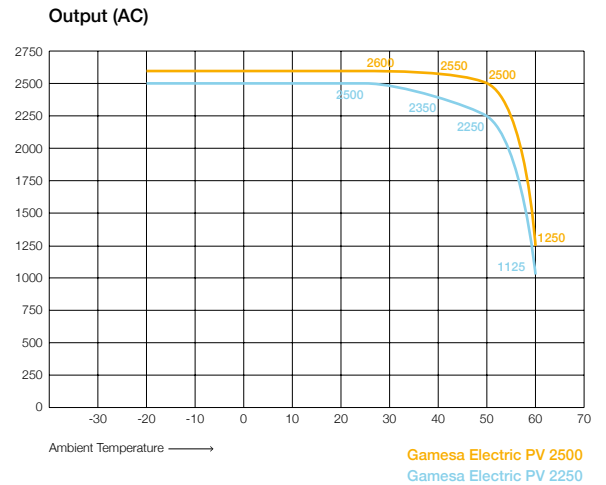
	Gamesa Electric PV 2500	Gamesa Electric PV 2250
Input (DC)		
Recommended PV-Power	3250 kWp	3000 kWp
DC Voltage Range	900-1500 V	
DC Voltage Range MPPT	900-1300 V	
DC Maximum Voltage	1500 V	
Max. DC Current @25°C (77°F)	2936 A	2920 A
Max. DC Current @40°C (104°F)	2880 A	2860 A
Max. DC Current @50°C (122°F)	2823 A	2800 A
Max. DC Short-Circuit Current	3600 A	
Number of DC Ports	Up to 24	

Output (AC)		
Number of Phases	Three-phase without neutral point	
Nominal AC Power @25°C (77°F)	2600 kVA	2500 kVA
Nominal AC Power @40°C (104°F)	2550 kVA	2350 kVA
Nominal AC Power @50°C (122°F)	2500 kVA	2250 kVA
Maximum AC Current @25°C (77°F)	2275 Arms	2187 Arms
Nominal AC Voltage	660 Vrms	
Voltage Allowance Range (2)	+/-10%	
Frequency Range	47.5-53/57-63 Hz	
THD of AC Current	<3% @Sn	
Power Factor Range	1/0 (leading) to 0 (lagging)	

Performance		
Max. Efficiency	99.0%	99.1%
Euro-Efficiency	98.8%	98.8%
Stand-by Power Consumption	<200 W	
Energy Production from	0.5% Pn approx.	

General Data		
Temperature Range - Operation	-20°C/+50°C (60°C) (-4°F/+122°F (140°F))	
Temperature Range - Storage	-20°C/+70°C (-4°F/+158°F)	
Maximum Altitude	<2000 m (<6561 ft) without derating	
Cooling System	Liquid + forced air cooling	
Relative Humidity	95% without condensation	
Protection Class	IP 20	
Dimensions (W/H/D)	2800 x 2230 x 975 mm (110.2 x 87.8 x 38.4 in)	
Power Density @25°C (77°F)	427 kVA/m ³ (12.08 kVA/ft ³)	410 kVA/m ³ (11.60 kVA/ft ³)
Power Density @50°C (122°F)	410 kVA/m ³ (11.60 kVA/ft ³)	370 kVA/m ³ (10.47 kVA/ft ³)
Weight	2400 kg (5291 lbs)	


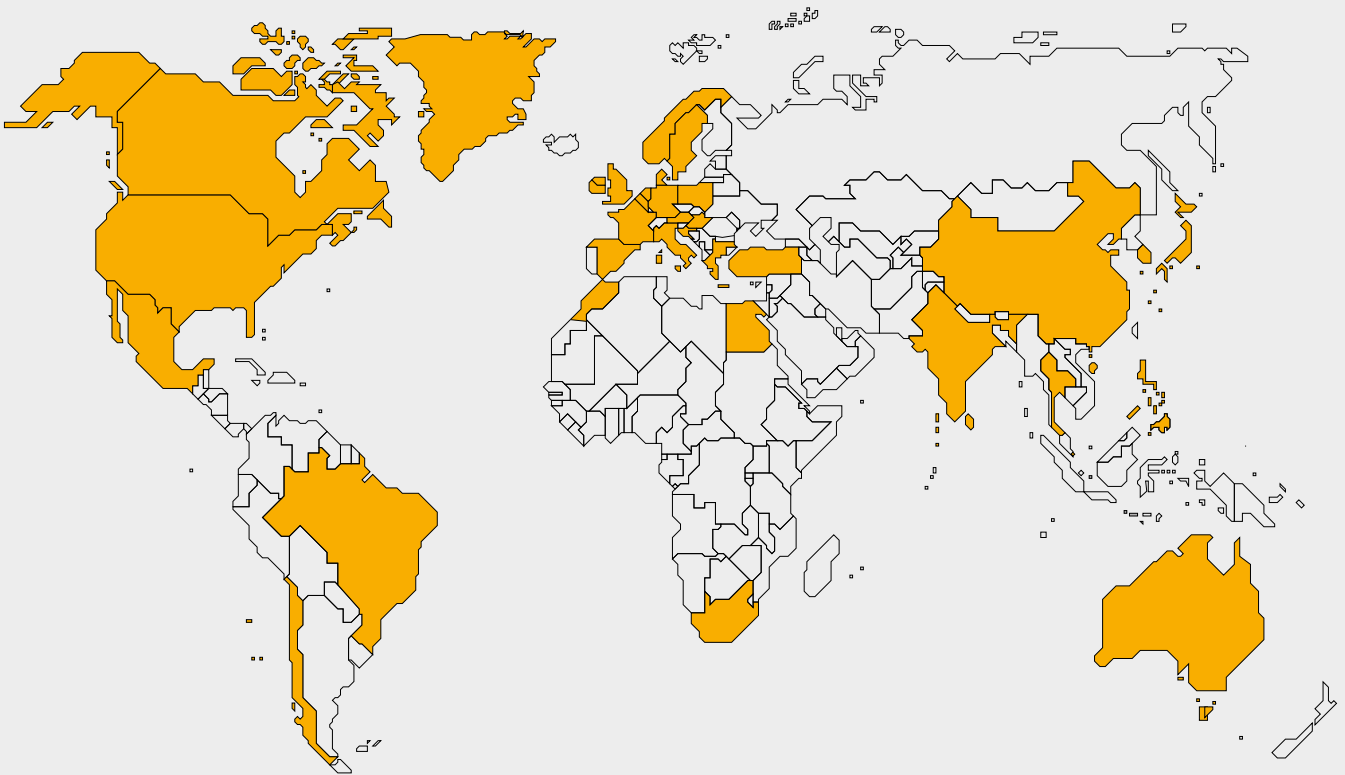
Features		
Communications	Modbus TCP-IP, Ethernet RJ-45, F.O., CAN Bus, F.O. Interbus	
Reverse Polarity Detection	Included	
DC Overvoltage Protection Class II	Included	
DC Overvoltage Protection Class I + II	Optional	
AC Overvoltage Protection Class II	Included	
AC Overvoltage Protection Class I + II	Optional	
AC and DC Short-Circuit Protections	Included	
Over-temperature Protections	Included	
Ground-fault & Insulation Monitoring	Included	
DC Side Disconnection	Motorized DC section breaker (on-load)	
AC Side Disconnection	Motorized AC circuit breaker	



Standards/Directives	Optional
IEC 61000-6-2	DC Ground Connection Kit
IEC 62109-1	Low Temperature Kit (<-20°C (<-4°F))
IEC 62109-2	Touch Display (HMI – Human Machine Interface)
EN 55011	Current Monitoring of DC Inputs
IEC 61683	
IEEE 519	
IEC 62116	
IEEE 1547	
UL 1741: 2011	
C22.2 No.107.1-01:2001	


+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	

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