

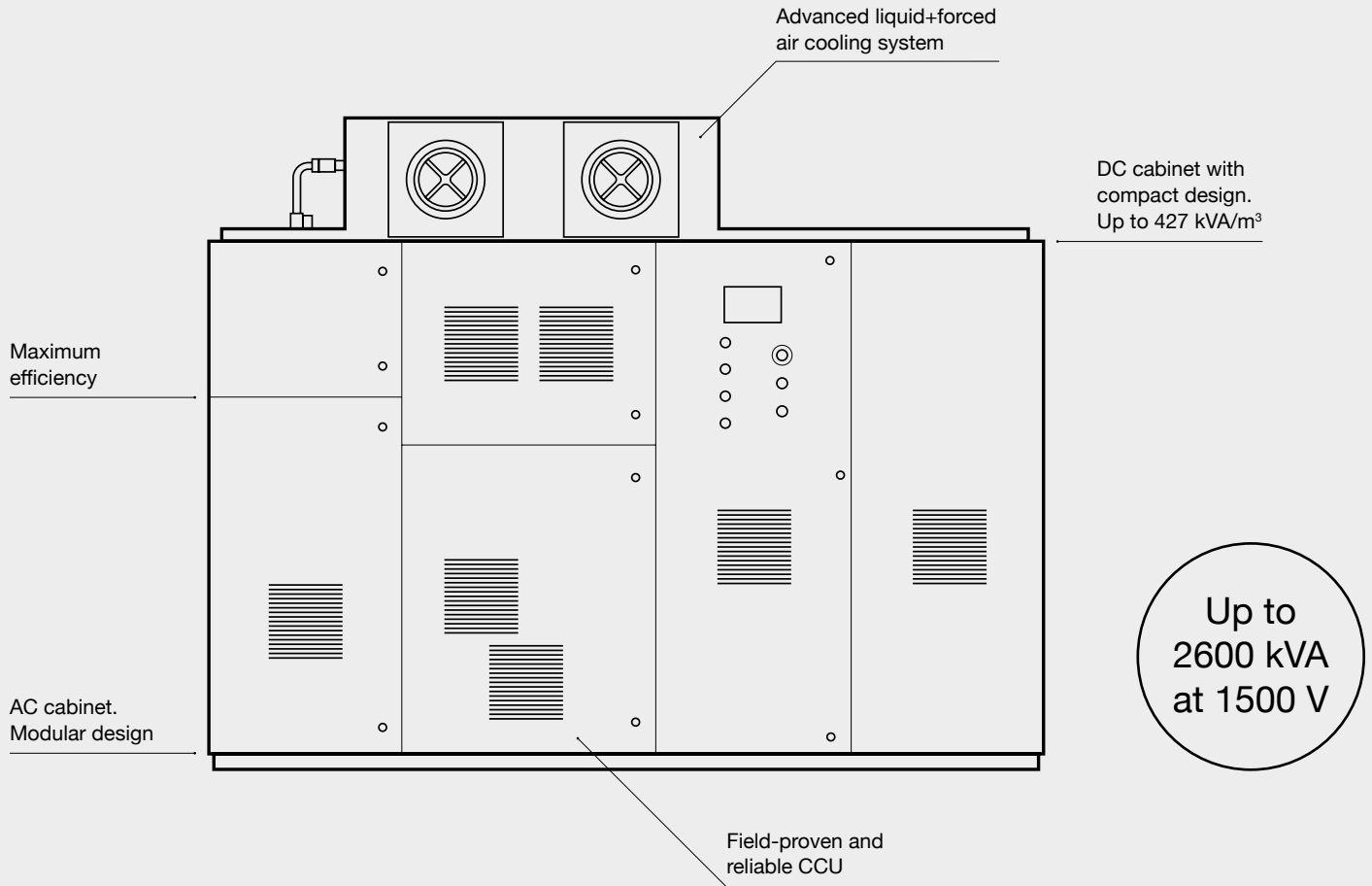


Gamesa Electric




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 and 2000 m 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 |

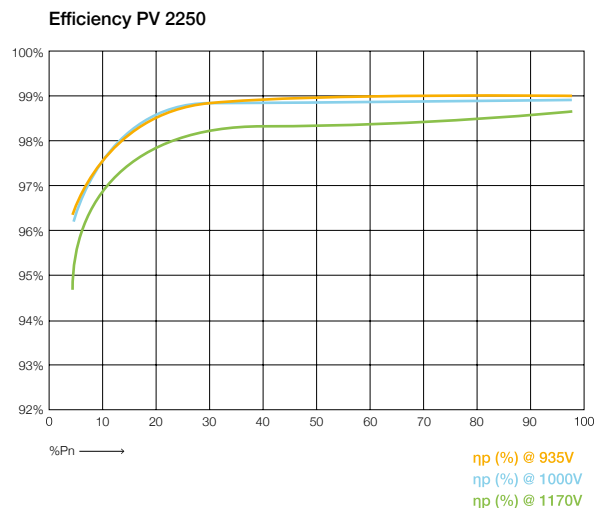
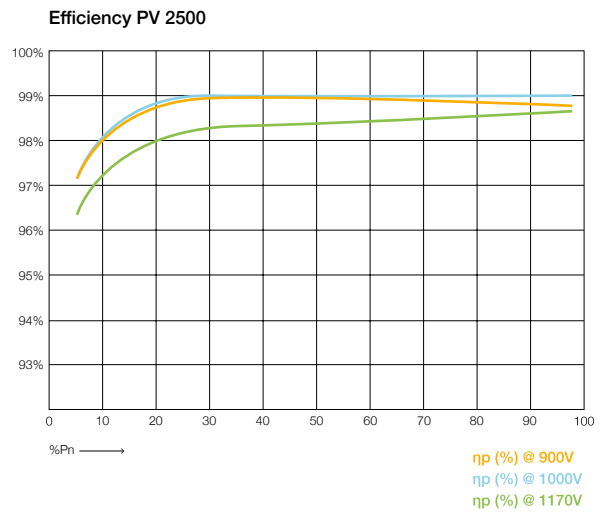
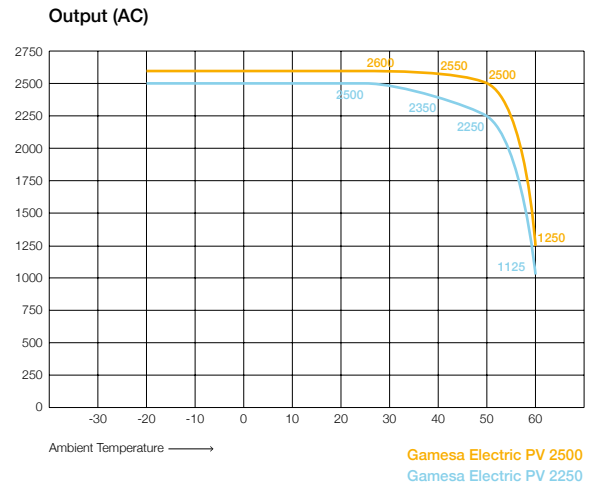
| | Gamesa Electric PV 2500 | Gamesa Electric PV 2250 |
|-------------------------------|-------------------------|-------------------------|
| Input (DC) | | |
| Recommended PV-Power | 3250 kWp | 3000 kWp |
| DC Voltage Range | 900-1500 V | |
| DC Voltage Range MPPT | 900-1300 V | |
| DC Maximum Voltage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

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|-----------------------------|-----------------------------------|-----------|
| Output (AC) | | |
| Number of Phases | Three-phase without neutral point | |
| Nominal AC Power @25°C | 2600 kVA | 2500 kVA |
| Nominal AC Power @40°C | 2550 kVA | 2350 kVA |
| Nominal AC Power @50°C | 2500 kVA | 2250 kVA |
| Maximum AC Current @25°C | 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) | |

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| 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. | |

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|-------------------------------|-----------------------------|------------------------|
| General Data | | |
| Temperature Range - Operation | -20°C/+50°C (60°C) | |
| Temperature Range - Storage | -20°C/+70°C | |
| Maximum Altitude | < 2000 m (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 | |
| Power Density @25°C | 427 kVA/m ³ | 410 kVA/m ³ |
| Power Density @50°C | 410 kVA/m ³ | 370 kVA/m ³ |
| Weight | 2400 kg | |

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| 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 | |



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| Standards/Directives |
| IEC 61000-6-2 |
| IEC 62109-1 |
| IEC 62109-2 |
| EN 55011 |
| IEC 61683 |
| IEEE 519 |
| IEC 62116 |
| IEEE 1547 |
| UL 1741: 2011 |
| C22.2 No.107.1-01:2001 |

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|---|
| Optional |
| DC ground connection kit |
| Low temperature kit (< -20°C) |
| Touch display (HMI – Human Machine Interface) |
| Current monitoring of DC inputs |



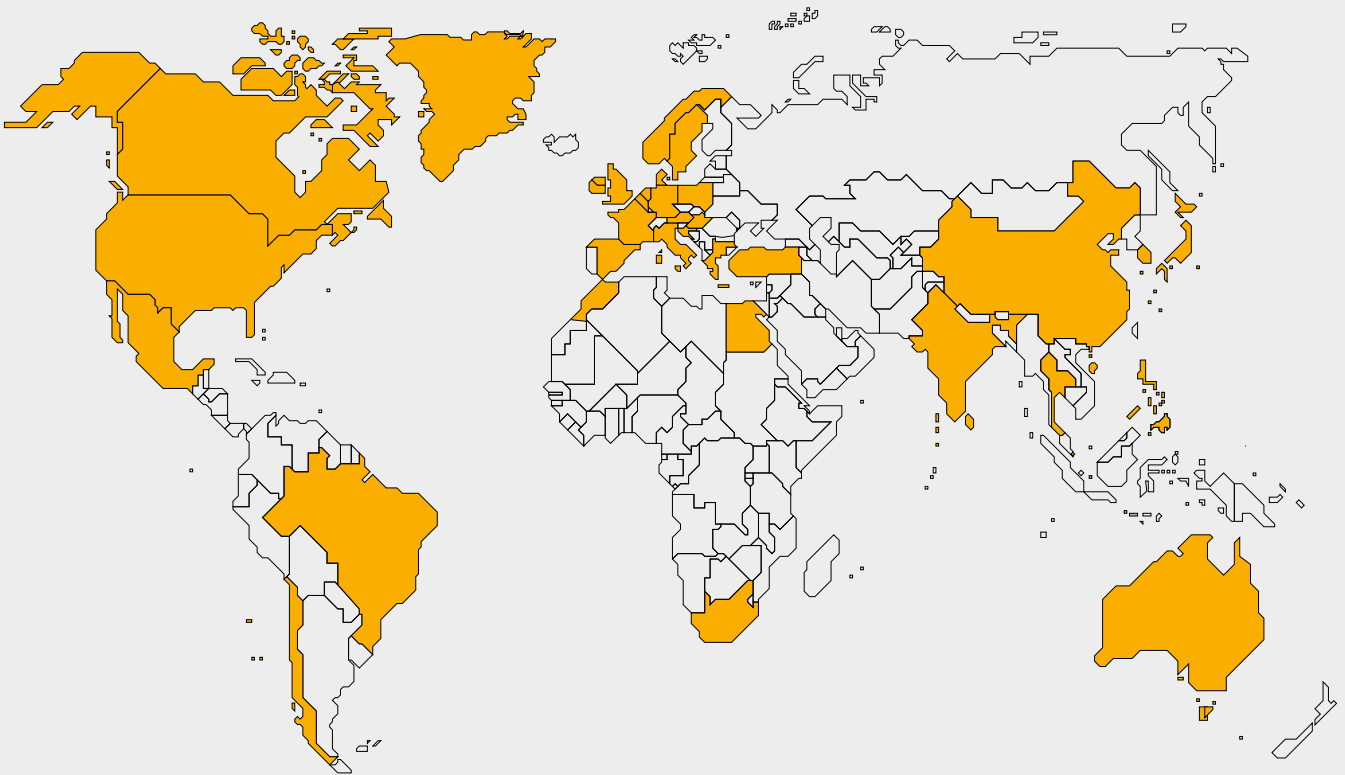
+2400
PV INVERTERS



84.5 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

