

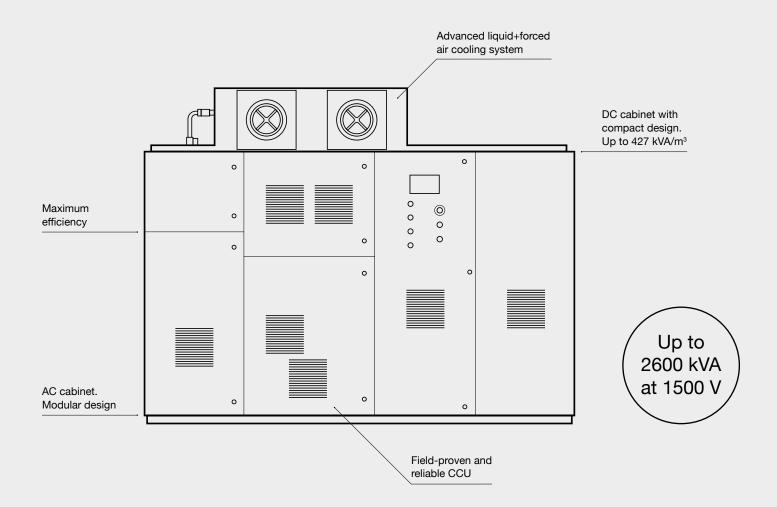


# Gamesa Electric PV 2250/2500

Efficiency and reliability with optimum grid compliance





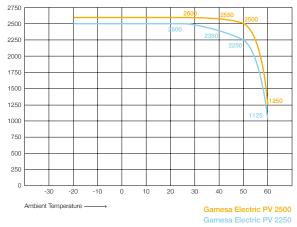


## Gamesa Electric PV 2250/2500 Photovoltaic Inverter

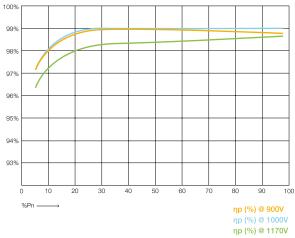
Maximum energy Market leading energy Up to 50°C and 2000 m Enhanced MPPT algorithm to production efficiency of 99.1% with no power derating achieve outstanding MPPT (IEC 61683) efficiency values at static and dinamic states "Easy to support" concept, Smart liquid & air cooling Tier I suppliers for critical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

	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	
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)	
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)	
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 <sup>3</sup>	410 kVA/m <sup>3</sup>
Power Density @50°C	410 kVA/m <sup>3</sup>	370 kVA/m <sup>3</sup>
Weight	2400 kg	
Features		
Communications	Modbus TCP-IP Ethernet RJ-4	15, 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 breake	r (on-load)
AC Side Disconnection	Motorized AC circuit breaker	

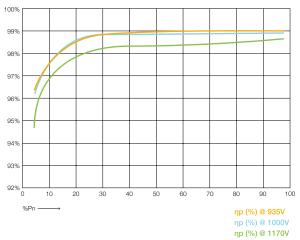
#### Output (AC)



### Efficiency PV 2500



#### Efficiency PV 2250



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		

DC ground connection kit	

Optional

Low temperature kit (< -20°C)

Touch display (HMI – Human Machine Interface)

Current monitoring of DC inputs



Shaping new energy





Worlwide 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

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