

# Gamesa Electric

## PV 3400U

Maximum energy  
for utility-scale projects



Designed and  
certified for  
USA market

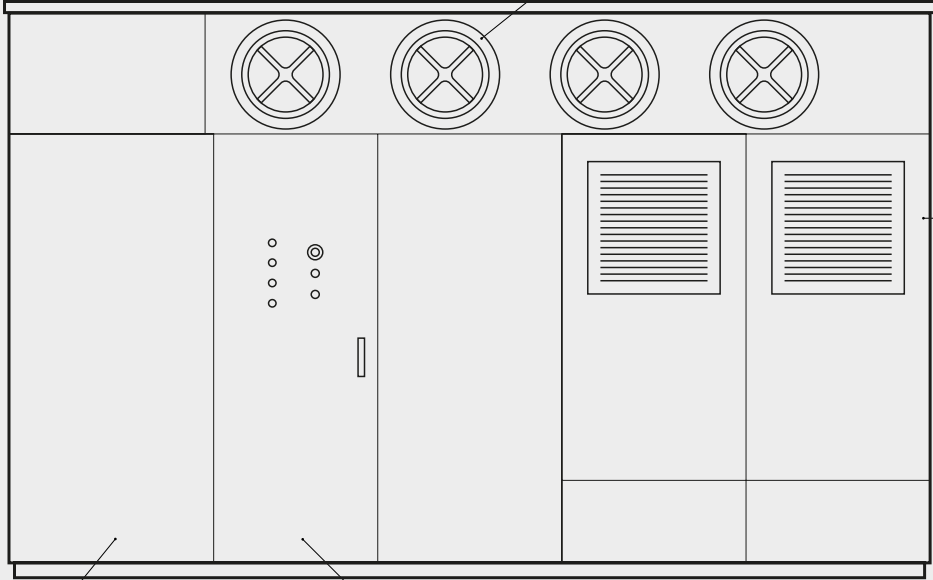
Outdoor solution & UL certified

Compact and modular design

DC-coupled storage option

Up to 3420 kVA at 1500 V

Heat exchangers



Compact design. Up to 12 kVA/ft<sup>3</sup>

Advanced liquid and air cooling system

Field-proven and reliable CCU

# Gamesa Electric PV 3400U Photovoltaic Inverter



### Better LCoE

With 3420 kVA, one of the largest central inverters in the market, achieving overall cost reduction by using less units per project

Design with best-in-class component guarantees less probability of failure and therefore less operational cost (materials and workforce)

Market leading inverter efficiency of 99%



### Reliability

Smart liquid/air cooling system that allows critical components to work at temperature level far below the limit, guaranteeing product lifespan

Tier I suppliers for critical components (power semiconductors, capacitors, inductances and control cards) with best-in-class MTBF values

“Easy to support” concept, with heavy components in removable trays, reducing maintenance and repair time (MTTR) installed worldwide in both solar and wind



### Higher Yield

High DC/AC ratio (up to 2) to be prepared for bifacial modules, achieving higher production values

Enhanced MPPT algorithm that provides outstanding MPPT efficiency values at static and dynamic states

More yield in challenging sites: operating up to 122°F and 6561 ft without derating

# Shaping New Energy

Gamesa Electric PV 3400U	
<b>Input (DC)</b>	
DC Voltage Range	835-1500 V
DC Voltage Range MPPT	835-1300 V
DC Maximum Voltage	1500 V
Max. DC Current @77°F	2 x 2070 A
Max. DC Current @122°F	2 x 1990 A
DC/AC Ratio	1.60 (Up to 2 upon request)
Number of DC Ports	Up to 24 fuse +/- monitored Up to 36 fuse + monitored
<b>Output (AC)</b>	
Number of Phases	Three-phase
Nominal AC Power @77°F	3420 kVA
Nominal AC Power @122°F	3300 kVA
Nominal AC Voltage	600 Vrms
AC Power Frequency	50/60 Hz
THD of AC Current	<1% @Sn
Power Factor Range	Any
<b>Performance</b>	
Max. Efficiency	99.0%*
Euro-Efficiency	98.8%*
CEC Efficiency	98.6%*
Stand-by Power Consumption	<200 W*
Energy Production from	0.5% Pn approx.
<b>General Data</b>	
Temperature Range - Operation	-4°F/122°F (-20°C/+50°C)**
Maximum Altitude	6561 ft (2000 m) without derating***
Cooling System	Liquid + Forced Air Cooling
Protection Class	NEMA 3R/IP 54
Dimensions (W/H/D)	138.1 x 88.5 x 40.2 in (3508 x 2250 x 1022 mm)
Power Density @77°F	12 kVA/ft <sup>3</sup> (424 kVA/m <sup>3</sup> )
Power Density @122°F	11.58 kVA/ft <sup>3</sup> (409 kVA/m <sup>3</sup> )
Weight	7716 lbs (3500 kg)
<b>Features</b>	
Communications	Modbus TCP/IP
Overvoltage Protection AC	Type I + II SPD
Overvoltage Protection DC	Type I + II SPD
DC Side Disconnection	Motorized load switch and fuse
AC Side Disconnection	Motorized circuit breaker
<b>Standards/Directives</b>	
UL 1741-SA	
UL 62109	

\* Preliminary value

\*\* With derating from 77°F (25°C)

\*\*\* Up to 13120 ft (4000 m) as optional



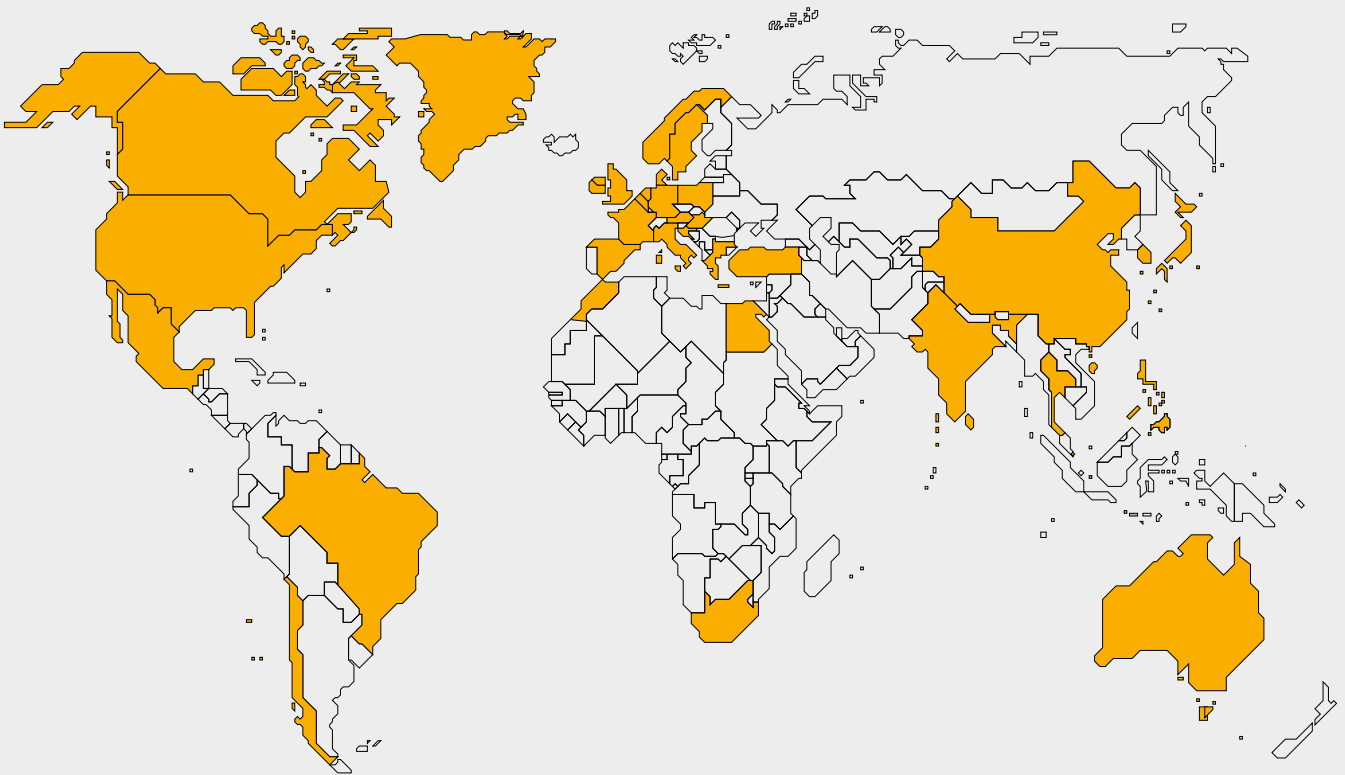
**+2400**  
PV INVERTERS



**+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

