GamesaElectric

Gamesa Electric
PV Station 3400U

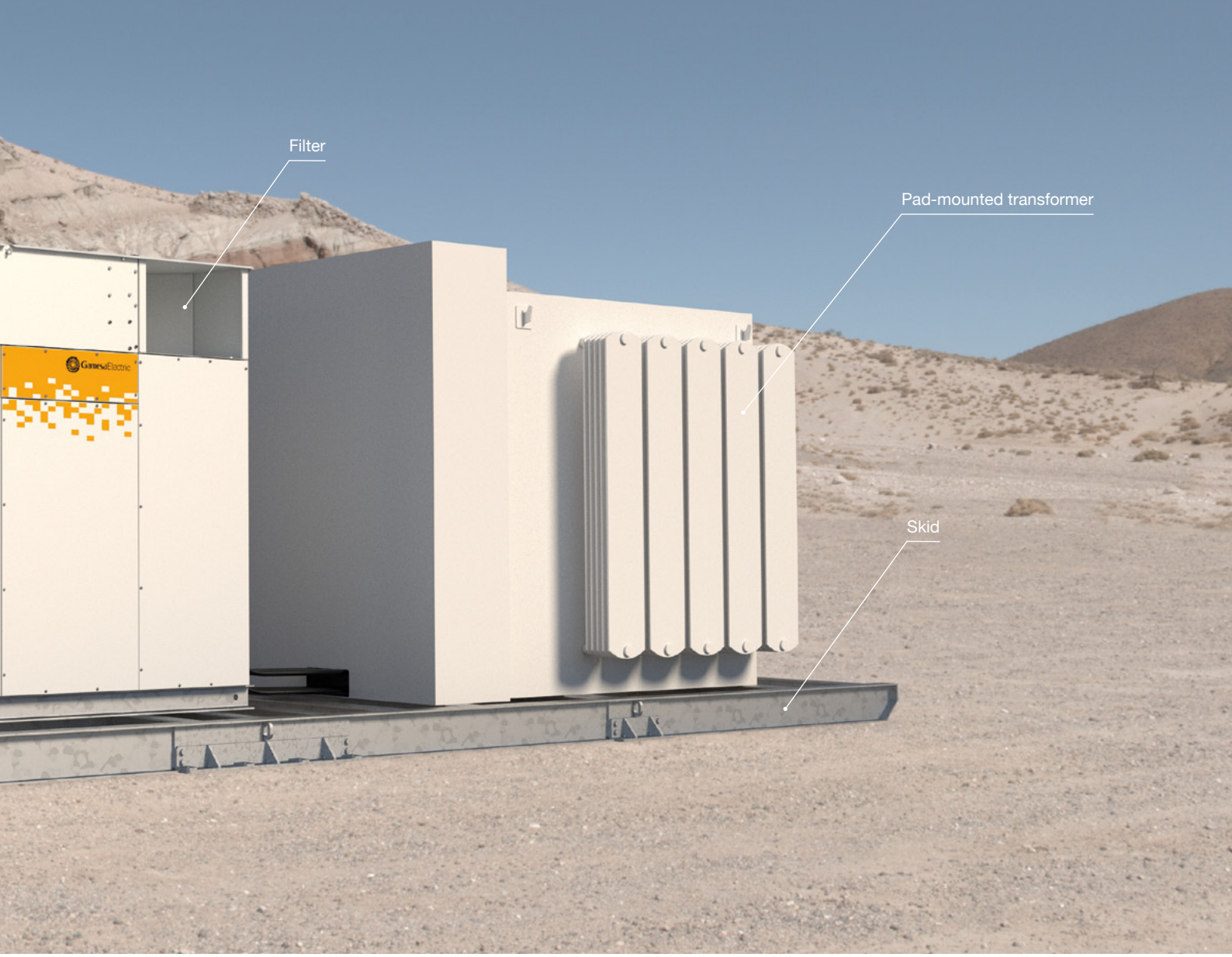
Larger MV solution
for LCoE reduction

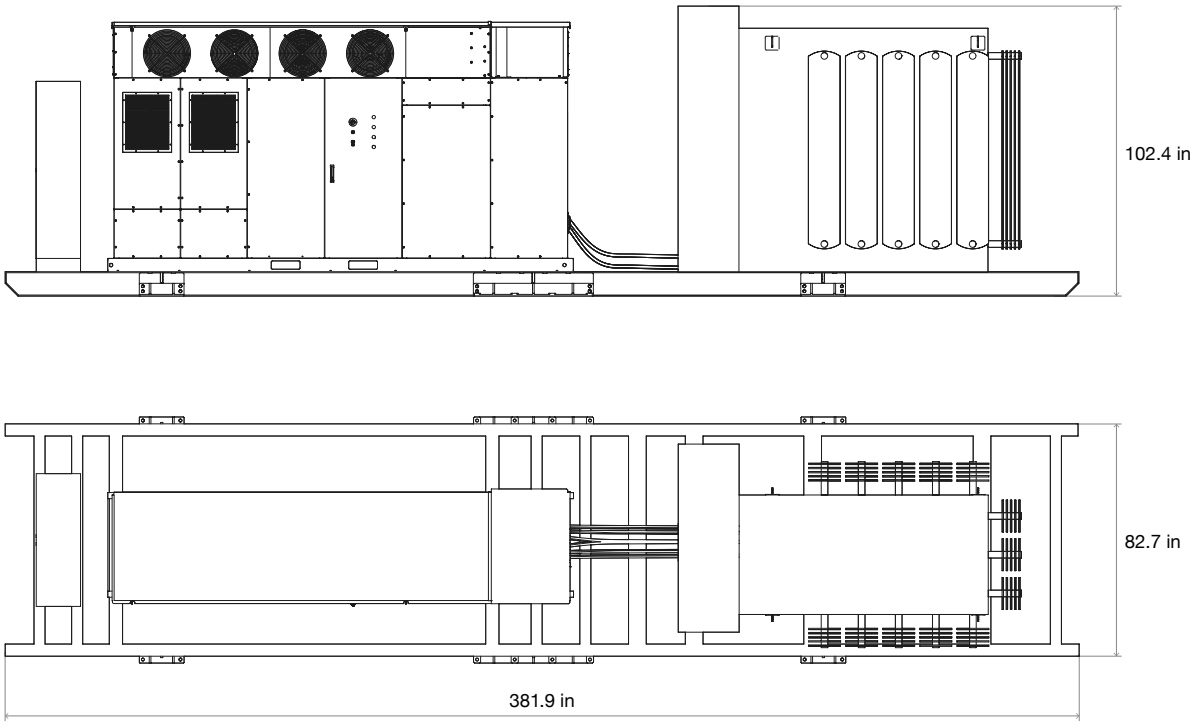
Designed and certified for USA market

2020 | Datasheet

Gamesa Electric PV Station 3400U
Plug & Play MV Solutions

CAPEX reduction	Less units needed per project, which results in lower equipment cost	Reduced costs of transportation, offloading and site preparation	Solution delivered pre-assembled, configured and tested, reducing on-site labour cost
Plug & play	Fully assembled and tested MV solution	Quick installation on field, reducing installation time and costs	Easy to support and maintain
Flexibility	Bidirectional inverter that allows PV Station to be configured as part of a Battery Energy Storage System (BESS) in DC and AC coupling topologies	Customization at PV station subsystems, such as MV transformer, auxiliaries' system and DC input configuration, according to customer necessities	Entire PV station can work as a Reactive Power Compensation System (STATCOM) at full power if required


Filter
Pad-mounted transformer
Skid


102.4 in
82.7 in
381.9 in

	Gamesa Electric PV Station 3400U
Input (DC)	
Number of Inverters	1 x Gamesa Electric PV 3400U
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
Number of DC Ports	Up to 24 fuse +/- monitored Up to 36 fuse + monitored
Number of MPPTs	1
Output (AC)	
Number of Phases	Three-phase
Nominal AC Power @77°F	3420 kVA
Nominal AC Power @122°F	3300 kVA
Nominal AC Voltage	13.8-34.5 kV rms
AC Power Frequency	50/60 Hz
Transformer Type	3.4 MVA Pad-mounted Dyn*
Power Factor Range	Any
General Data	
Dimensions (W/H/D)	381.9 x 102.4 x 82.7 in (9700 x 2600 x 2100 mm)
Temperature Range - Operation	-4ºF/122ºF (-20°C/+50°C)**
Maximum Altitude	6561 ft (2000 m) without derating***
Protection Class	NEMA 3R/IP 54
Cooling System	Liquid + Forced Air Cooling
Weight	36376 lbs (16500 kg)
Auxiliary Cabinet	YES (customization as option)
Features	
LVRT Capability	YES, including reactive current injection
HVRT Capability	YES
STATCOM Mode for Night Compensation	YES
Communications	Modbus TCP-IP
Overvoltage Protections AC	Optional
Overvoltage Protections DC	Type I + II SPD

Optionals	**Standards/Directives**
-4º F Low Temperature Kit	UL 1741-SA
UPS for Supplying Trackers	UL 62109
High Corrosion Protection Kit	NEC 2017
Seismic Reinforcement	

Shaping New Energy

* Low power neutrals, just to allow phase-neutral voltage measurements. Neutral not grounded

** With derating from 77ºF (25ºC)

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

GamesaElectric

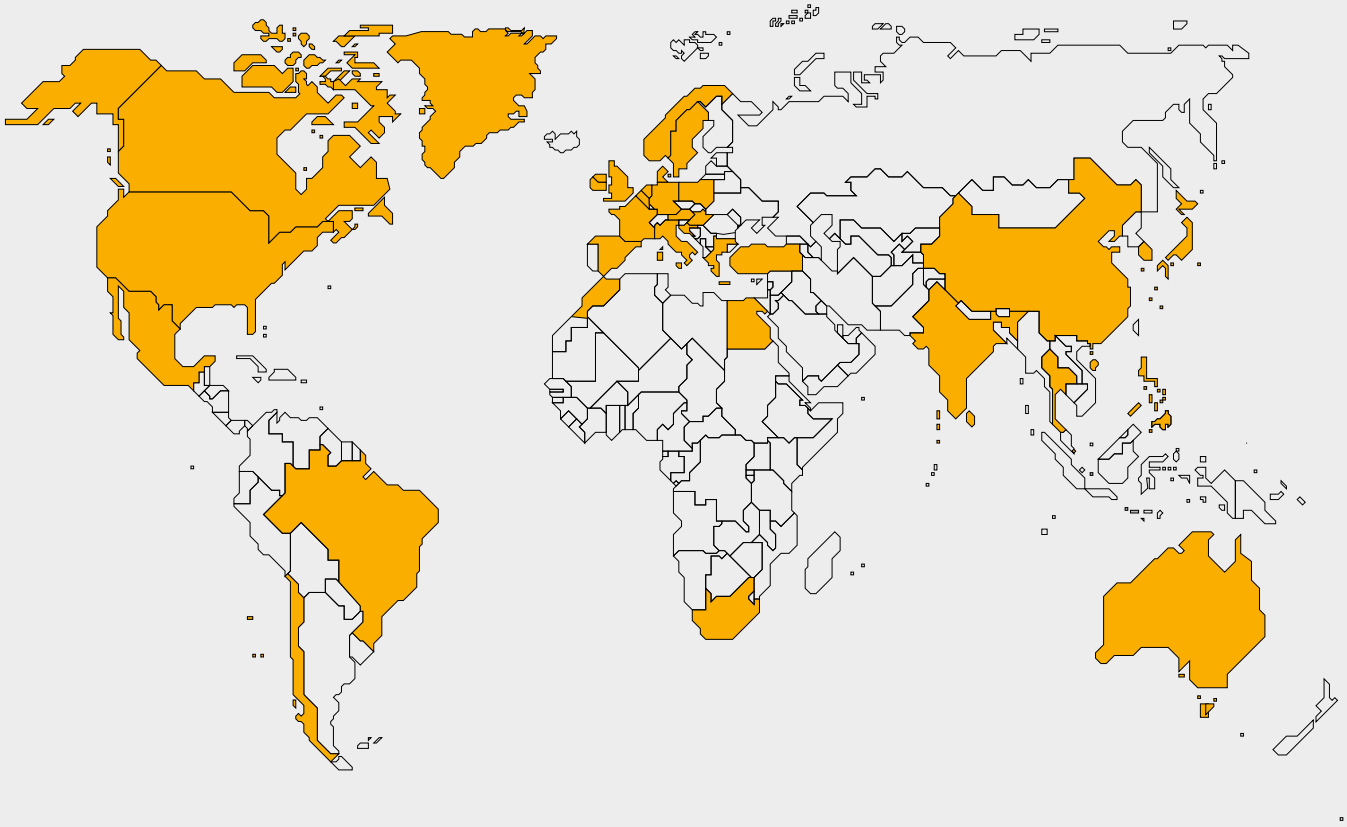
Reliability and maximum power for best LCoE

GamesaElectric | Shaping new energy

+2400
PV INVERTERS

+90 GW
Wind & Solar
INSTALLED

+90
COUNTRIES



Worldwide presence

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France
Germany
Greece
Hong Kong
Hungary
India
Ireland
Italy
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Morocco
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Norway
Philippines
Poland
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South Africa
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Thailand
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