

Glade Gateway

The **Glade Gateway** is the intelligent communication hub connecting your Glade microinverters to the internet and enabling real-time data flow between your solar installation and the Glade monitoring platforms.



- Sub-1G wireless technology
- Automatic synchronization
- Fault recovery
- Data encryption
- Identity authentication
- Convenient installation

Sub-1G Wireless Technology

The Glade Gateway uses Sub-1G wireless technology at ISM 915MHz to communicate with up to 99 microinverters across a range of up to 400 metres outdoors (based on lab testing environment), with strong signal penetration in dense urban and building environments where other wireless technologies struggle.

*Gietron is a brand owned by Gwatt Innovations Ltd.
VEMG-SG10N-WB provided by Delta*



Specifications	VEMG-SG10N-WB
Sub-1G	
Operating frequency band	ISM 915MHz
Supported network topologies	Point-to-Point, Point-to-Multipoint, Peer-to-Peer, Mesh
Addressing options	PAN ID and Addresses, Cluster IDs and Endpoints
Indoor/Urban range	Up to 90m*
Outdoor/RF line-of-sight range	Up to 400m*
Transmit power	100mW (+20dBm)
Receiver sensitivity	-100dBm
RF data rate	40kbps (915MHz theoretical)
Nodes supported	50
Antenna	Supports one transmit path and one receive path
Wi-Fi	
Standard	2.4/5GHz 802.11a/b/g/n/ac compatible
Security	802.11i (WPA, WPA2)
Working mode	Station
Data rate	Up to 150Mbps (theoretical)
Antenna	Supports one transmit path and one receive path
Bluetooth	
Standard	Bluetooth v5.4 BR/EDR & BLE Specification
Working range	10m
Speed	2Mbps (theoretical)
Interface	
Ethernet	RJ45 x2 10/100Mbps Auto MDI/MDIX
RS-485	1 port
SD card slot	1 (MicroSD / TF Card)
Reset button	1
DC power voltage	12V ±20%
Mechanical data	
Dimensions (H x W x D)	225.5mm x 164.3mm x 40mm
Case material	Plastic
Housing	IP30
Installation	Wall mounted or desktop placement
Environment	
Operating temperature	-30°C to 65°C
Storage temperature	-40°C to 85°C
Relative humidity	5-95% non-condensing
Reliability & Warranty	
MTBF	>200,000 hours @25°C
Certifications	
FCC, ICES	
5-year warranty (10-year option available)	

*Based on lab testing environment
All specifications are subject to change without notice.