

Glade Microinverter

Glade Microinverters convert DC power from each solar panel into clean, grid-ready AC power. Unlike traditional string inverters, microinverters allow each panel in your array to operate independently, so shading or soiling on one panel never drags down the rest of the system's performance.



- Independent MPPTs per PV module
- Single-panel (450 kVA) / Dual-panel (900 kVA) options
- Reactive power control
- Built-in rapid shutdown function
- IP67 weatherproof enclosure
- Supports a Sub-1G meshed network
- Industry-leading 25-year limited warranty

Built for the Canadian Climate

Canada's climate demands more from solar equipment than performance alone. The Glade Microinverter is rated for operation from -40°C to $+65^{\circ}\text{C}$, sealed to IP67/NEMA 6 for complete protection against dust and water immersion, and tested to an operating altitude of 4,000 metres. For homeowners and businesses, this means a system that delivers reliable, clean energy year-round in every Canadian climate zone.

Gietron is a brand owned by Gwatt Innovations Ltd.



Specifications	GLADE RM-450M-X		GLADE RM-900M-X	
Input data (DC)				
Commonly used PV module power	300W-700W			
Maximum input DC voltage	60V			
Acceptable start-up voltage range	22V - 60V			
Operating voltage range	16V - 60V			
MPP voltage range	20V - 50V			
Number of MPPTs	1		2	
Number of PV strings per MPPT	1		1/1	
Maximum input current per MPPT	18A			
Maximum short-circuit current per MPPT	25A			
Output data (AC)				
Peak output power	450VA		900VA	
Maximum continuous output power	450VA		900VA	
Nominal AC voltage (acceptable range)	208V (183V-229V) / 240V (211V-264V)			
AC grid frequency	50Hz / 60Hz			
Adjustable output frequency range	45-55Hz / 55-65Hz			
Rated output current (208V* / 240V)	1.25A / 1.88A		2.50A / 3.75A	
Power factor	0.8 leading - 0.8 lagging			
Total harmonic distortion of current (THDi)	<3%			
AC grid connection type	L1/L2/PE			
Maximum units per 10AWG branch** (208V* / 240V)	18 (3 x 6) / 12		9 (3 x 3) / 6	
Efficiency				
CEC peak efficiency	96.5%			
MPPT efficiency	99.5%			
Night power consumption	<50mW			
Protection devices				
DC reverse polarity protection	Yes			
Overvoltage class DC port	II			
AC surge protection	Type III			
AC short-circuit protection	Yes			
Ground fault monitoring	Yes			
Grid monitoring	Yes			
Anti-islanding protection	Yes			
Insulation resistance monitoring	Yes			
Mechanical data				
Dimensions (H x W x D)	252mm x 270mm x 41.5mm			
Weight	6.83 lbs (3.1kg)			
Operating temperature range	-40°C to +65°C (-40F to 149°F)			
Maximum operating altitude	4000m			
Inverter topology	Galvanically isolated			
Cooling	Natural convection - No Fans			
Protection degree	IP67 / NEMA 6			
Relative humidity	0-100%			
DC connection	MC4			
AC connection	Plug and play			
Interfaces				
Display	LED + Mobile app			
Monitoring technology	Sub-1G wireless			
Certifications				
UL 1741:2021, IEEE 1547:2018, IEEE 1547.1:2020, CSA C22.2, CSA C22.3, ICES, FCC, E-5000, IP67				
25-year limited warranty				

*208V specifications are based on balanced three-phase configuration.

**AC side protection requires a maximum of 30 A per branch circuit.

All specifications are subject to change without notice.