

# GLADE RM-450~900M-X

- 1 or 2 independent MPP trackers
- Reactive power control
- Rapid shutdown function
- IP67 protection degree
- Support Sub-1G mesh network



PROUDLY-  
CANADIAN  
OWNED -



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Datasheet	GLADE RM-450M-X	GLADE RM-900M-X
<b>Input data (DC)</b>		
Commonly used PV module power	300W-700W	
Maximum input DC voltage	60V	
Minimum/Maximum start voltage	22V/60V	
Operating voltage range	16V-60V	
MPP voltage range	20V-50V	
No. of MPP trackers	1	2
No. of PV strings per MPP tracker	1	1/1
Max. input current per MPP tracker	18A	
Max. short-circuit current per MPP tracker	25A	
<b>Output data (AC)</b>		
Peak output power	450VA	900VA
Max continuous output power	450VA	900VA
Nominal AC voltage/range	L1-L2 208V/240V ,183V~229V/211V~264V	
AC grid frequency	50/60 Hz	
Adjustable output frequency range	45~55Hz/55-65 Hz	
Rated output current	2.16A@208Vac 1.88A@240Vac	4.33A@208Vac 3.75A@240Vac
Power factor	0.8 leading ... 0.8 lagging	
THDi	<3%	
AC grid connection type	L1/L2/PE	
Max units per 10AWG 30A) branch *	13pcs	6pcs
<b>Efficiency</b>		
CEC peak efficiency	96.5%	
MPPT efficiency	99.5%	
Night power consumption	50mW	
<b>Protection devices</b>		
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	
<b>Mechanical data</b>		
Dimensions (W / H / D)	270/252/41.5mm	
Weight	6.83 lbs (3.1kg)	
Operating temperature range	-40 °C ~ +65°C(-40°F to 149°F)	
Altitude	4000m	
Topology	High frequency transformers, Galvanically isolated	
Cooling	Natural convection-No Fans	
Protection degree	IP67/NEMA 6	
Relative humidity	0~100%	
DC connection	MC4	
AC connection	Plug and play	
<b>Interfaces</b>		
Display	LED+APP	
Monitoring	Sub-1G	
Warranty	25 years	
UL 1741:2021 UL1741 SA/SB:2020IEEE 1547:2018 IEEE 15471:2020FCC Part15 Class BNEC 690.12SunSpec Alliance CertificationNEMA Enclosure Types IP 67 CA Rule 21(240Vac)UL1998:2018CEC listingCSIP,E-5000,SA17-SA18 HECO,Rule-14 CSA STD C22.2 NO.1071		

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

\* The AC Voltage and Frequency Range may vary depending on specific country grid standard.  
All specifications are subject to change without notice.