

Residential Series



MICROINVERTER



INV-M100M2-700

Key Features:

-  IP67 Protection Degree
-  Wi-Fi Communication
-  Rapid Shutdown Function
-  2 MPP Trackers, Module Level Monitoring
-  Complete NS Protection With Self-Check Function
-  Easy Installation, Suitable For Quick-Plug Balcony PV System
-  External Relay Advantage With Low Temperature, Long Life, Easier Maintenance

General Specification	INV-M100M2-700
PV String Input Data	
Max. PV Input Power (W)	210-700(2 Pieces)
Max. PV Input Voltage (V)	60
Start-up Voltage (V)	20
MPPT Voltage Range (V)	25-55
Rated PV Input Voltage (V)	42.5
Max. Operating PV Input Current (A)	13+13
Max. Input Short Circuit Current (A)	19.5+19.5
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1
AC Output Side	
Rated AC Output Active Power (W)	1000
Max. AC Output Apparent Power (VA)	1000
Rated AC Output Current (A)	4.6/4.4
Max. AC Output Current (A)	4.6/4.4
Rated Output Voltage/Range (V)	220/230 0.85Un-1.1Un
Grid Connection Form	L/N/PE
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65
Max. Unit per Branch	5
Power Factor Adjustment Range	0.9 leading-0.9 lagging
Total Current Harmonic Distortion THDi	<3%
DC Injection Current	<0.5%In
Efficiency	
Max. Efficiency	96.5%
Euro Efficiency	96.0%
MPPT Efficiency	>99%
Equipment Protection	
DC Reverse Polarity Protection	Yes
AC Output Overcurrent Protection	Yes
AC Output Overvoltage Protection	Yes
AC Output Short Circuit Protection	Yes
Thermal Protection	Yes
Insulation Impedance Detection	Yes
Anti-islanding Protection	Yes
Surge Protection Level	TYPE II(AC)
Interface	
Communication Interface	Wi-Fi
General Data	
Operating Temperature Range (°C)	-40 to +65, >45 Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude (m)	2000m
Noise (dB)	≤25
Ingress Protection(IP) Rating	IP 67
Inverter Topology	Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD mm)	660×199×215 (Excluding Connectors and Brackets)
Weight (kg)	3
Warranty	15 Years
Type of Cooling	Natural Cooling
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G98, VDE-AR-N 4105
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2