

General Specification	INV-M100M2-700
<b>PV String Input Data</b>	
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
<b>AC Output Side</b>	
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
<b>Efficiency</b>	
Max. Efficiency	96.5%
Euro Efficiency	96.0%
MPPT Efficiency	>99%
<b>Equipment Protection</b>	
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)
<b>Interface</b>	
Communication Interface	Wi-Fi
<b>General Data</b>	
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, RD140, 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