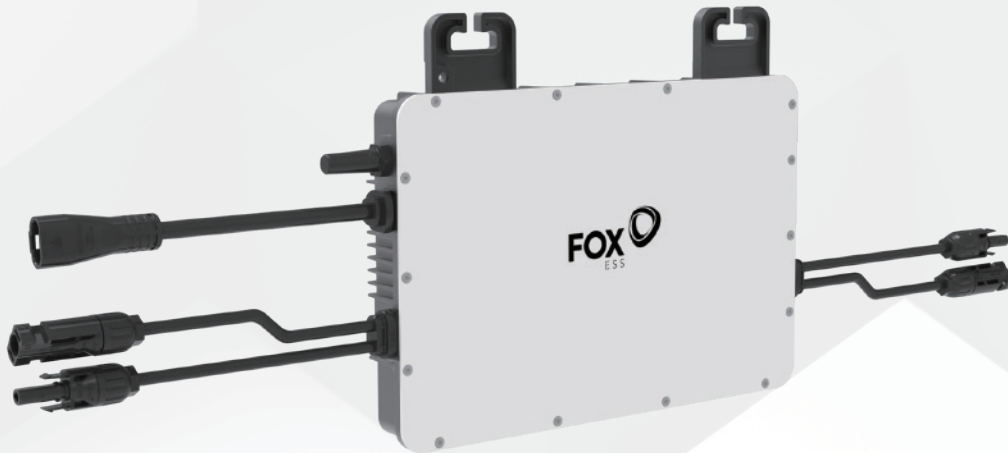




# M SERIES

MICROINVERTER SERIES



## HIGH PERFORMANCE

Low start-up voltage, wide voltage range, more efficient.



## EASY INSTALLATION

Flexible configuration, plug and play set-up.



## IP67 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



## REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



Advanced System Monitoring  
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

Fox ESS has launched a more reliable and flexible M series microinverter. By implementing independent MPPT control for each PV module panel and monitoring its own status, the M series greatly improves power generation efficiency and safety.

0.6kW...>> 1.2kW



For more about the Fox ESS range of inverters, visit:

[www.fox-ess.com](http://www.fox-ess.com)



## TECHNICAL SPECIFICATIONS

MODEL	MI-600-E	MI-800-E	MI-1000-E	MI-1200-E
<b>INPUT (PV)</b>				
Applicable Module Power [W]	355Wp-670Wp+			
Peak Power Tracking Voltage [V]	35 ~ 50			
Max. Input Voltage [V]	60			
Start-up Voltage [V]	24			
Max. Input Current [A]	20			
Max. Input Short-circuit Current [A]	24			
No. of MPP Trackers	2			
Strings per MPP Tracker	1			
DC Overvoltage Category	II			
<b>OUTPUT (AC)</b>				
Nominal Output Power [W]	600	800	1000	1200
Nominal Output Apparent Power [VA]	600	800	1000	1200
Peak Output Apparent Power [VA]	600	800	1000	1200
Nominal Output Current [A]	2.72	3.64	4.54	5.46
Nominal Output Voltage/Range [V] <sup>*1</sup>	230/180 ~ 264			
Nominal Output Frequency [Hz] <sup>*1</sup>	50/45 ~ 55 or 60/55 ~ 65			
Power Factor	>0.99( Adjustable from 0.95 leading to 0.95 lagging )			
Max. THDi [%]	<3			
Max. Units Per 10 AWG Branch <sup>*2</sup>	11	8	7	5
Max. Units Per 12 AWG Branch <sup>*2</sup>	9	6	5	4
Ac Overvoltage Category	III			
<b>EFFICIENCY</b>				
EU Weighted Efficiency [%]	95.50			
CEC Weighted Efficiency [%]	95.50			
Max. Efficiency [%]	96.00			
Nominal MPPT Efficiency [%]	99.90			
<b>GENERAL DATA</b>				
Dimensions (W*H*D) [mm]	270*182*34.5			
Weight [kg]	3.4			
Cooling Method	Natural convection-No fans			
Ingress Protection (according to IEC60529)	IP67			
Max. Operating Altitude [m]	2000			
Operating Ambient Temperature Range [°C]	-25 ~ +65			
Allowable Relative Humidity Range [%]	1 ~ 100			
Nominal Nighttime Consumption [mW]	<50			
Communication	WIFI			
Isolation Type	Reinforce Isolation			
Monitoring <sup>*3</sup>	Fox ESS Cloud			
PV Terminal Interlock Force [N] <sup>*4</sup>	50			
<b>STANDARD</b>				
Safety	IEC62109-1/2			
EMC	IEC 61000-6-1 /IEC 61000-6-2 /IEC 61000-6-3 /IEC 61000-6-4 /IEC61000-3-2/IEC61000-3-3			
Certification	ABNT NBR 16150, EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2019			

\*1 Nominal voltage/frequency range can vary depending on local requirements.

\*2 Refer to local requirements for exact number of microinverters per branch.

\*3 Fox ESS Monitoring System.

\*4 PV Connector can be customized. (Default: Vaconn MC4 compatible)