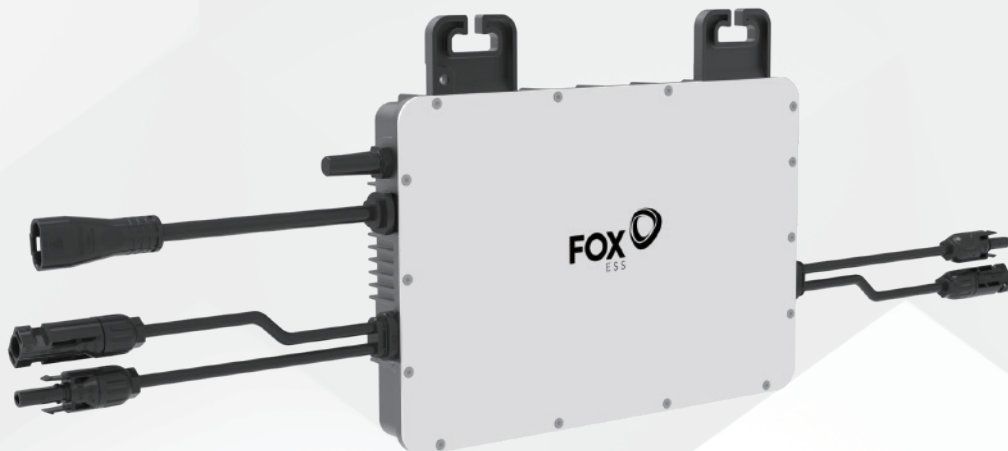




M SERIES

MICROINVERTER SERIES



HIGH PERFORMANCE

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



EASY INSTALLATION

Flexible configuration, plug and play set-up.



NEMA 6(IP67)

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:

us.fox-ess.com



TECHNICAL SPECIFICATIONS

MODEL	M1-600-E	M1-800-E	M1-1000-E	M1-1200-E
INPUT (PV)				
Applicable module power [W]	355Wp-670Wp+			
Peak power tracking voltage [V]	31 ~ 45			
Max. Input Voltage [V]	60			
Start-up voltage [V]	24			
Max. Input Current [A]	20			
Max. Input Short-circuit Current [A]	24			
Number of MPPTs	2			
Number of Strings per MPPT	1			
DC over-voltage protection class	II			
OUTPUT (AC)				
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]	2.50/2.88	3.33/3.85	4.16/4.80	5.00/-
Nominal output voltage/range [V]**	240/211~264 or 208/183~228	240/211~264 or 208/183~228	240/211~264 or 208/183~228	240/211~264 or -
Nominal output frequency [Hz]**	60/58.5 ~ 61.2			
Power Factor	>0.99(Adjustable from 0.95 leading to 0.95 lagging)			
Max. Total Harmonic Distortion [%]	< 3			
Max. units per 10AWG branch*2	12/11	9/8	7/6	6/-
Max. units per 12AWG branch*2	8/6	6/5	4/4	4/-
AC over-voltage protection class	III			
EFFICIENCY				
CEC Weighted Efficiency [%]	95.50			
Max. Efficiency [%]	96.00			
Nominal MPPT Efficiency [%]	99.90			
GENERAL DATA				
Dimensions (W*H*D) [inches / mm]	10.63*7.17*1.36 / 270*182*34.5			
Weight [lbs / kg]	8.6 / 3.9			
Cooling Method	Natural convection-No fans			
Enclosure Rating	NEMA 6 (Outdoor-IP67)			
Max. Operating Altitude [ft / m]	6560 / 2000			
Operating Ambient Temperature Range [°F / °C]	-40 ~ +149 / -40 ~ +65			
Allowable Relative Humidity Range [%]	1 ~ 100			
Nominal nighttime consumption [mW]	< 50			
Communication	WIFI			
Isolation type	Reinforce Isolation			
Monitoring *3	Fox ESS Cloud			
STANDARD				
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			
Cetification	ABNT NBR 16150, EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2019, UL 1741 3rd, IEEE1547-2018,IEEE1547.1-2020, UL 1741 SB, CA Rule21 4th, CSA C22.2 NO. 107.1-16,FCC 15B, HECO SRD2.0,UL3141CRD			

*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.