

 MANGO POWER

MANGO POWER S Series Microinverter

MANGO POWER S
MANGO POWER S **PRO**

High Efficiency

- CEC Efficiency: 97.0%
- MPPT Efficiency: 99.9%

Easy Install

- Plug-and-Play Modular Connectors
- One-Click Wi-Fi Mesh Networking
- Custom App for Seamless Display

Safe & Reliable

- Zero Risk of DC Arcing
- Module-Level Shutdown in 100us
- IP68 Protection, 25-Year Warranty

Smart & Friendly

- Compatible with All PV Modules
- AI-Driven Adaptive User Power Experience
- Ultra-Low THDI for Grid-Friendly Reliability

Models	MANGO POWER S	MANGO POWER S PRO
Input parameters		
Commonly used module power (W)	320~540+	400~670+
Maximum input voltage (V)		60
MPPT voltage range (V)		16-60
Peak Power MPPT voltage range (V)		36-55
Start-up voltage (V)		22
Maximum input current (A)		16
Maximum input short circuit current (A)		25
Number of MPPTs		1
Number of inputs per MPPT		1
Output parameters		
Nominal output power (VA)	400	500
Maximum continuous output current (A)	1.67/1.92	2.08/2.40
Nominal output voltage/range (V)*1		240(L-L)/211-264 208(L-L)/183-228
Nominal frequency/range (Hz)		60/55-65
Power factor setting		0.99
Power factor (adjustable)		0.8 leading – 0.8 lagging
Total harmonic distortion		< 3%
Maximum units per branch (12AWG)*2	9	7
Maximum units per branch (10AWG)*3	13	11
Efficiency parameters		
CEC efficiency		97%
Night power consumption (mW)		<50
Mechanical parameters		
Operating temperature range (°C)		-40 to +65
Storage temperature range (°C)		-40 to +85
Dimensions (L × W × H) [mm]		221.5 × 129.0 × 32.5
Weight [without bracket] (kg)		1.2
Enclosure rating		NEMA Type 6P /IP68
Cooling		Natural convection
Pollution degree		III
Enclosure protection class		Class II double-insulated
Altitude (m)		4000 (< 13123 ft)
Noise (dB)		< 25
Features		
Communication		Wi-Fi
Indicator		1 x LED
warranty		25 years
Grid Compliance	UL 1741:2023,UL 1741 SA:2021,UL 1741 SB:2021,CSA C22.2 No. 107.1:2021,IEEE 1547:2018,IEEE1547.1:2020,HECO SRD 2.0, FCC Part15 Class B,IEC/ EN 61000-6-1/-2/-3/-4,IEC/EN IEC 61000-3-2/-3) This product is UL Listed as PV rapid shutdown equipment and conforms with NEC 2014 , NEC 2017, NEC 2020, NEC 2023 Section 690.12, CEC 2021 Section 64-218 rapid shutdown of PV systems for AC and DC conductors.	

*1.Nominal voltage range can be configured if required by the utility. For interconnection to system voltages other than 208Y VAC three-phase, a transformer is required to connect to the grid.
 *2/3.The maximum number of modules per branch is only a recommended value; the actual number must be determined based on local regulations.