

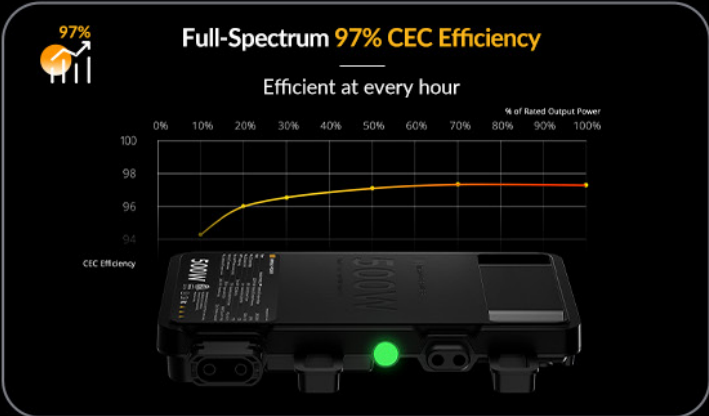
Next-Gen Single-Stage Cyclo Microinverter

MANGO POWER S PIPV

Plug into the Future 25 Years of Effortless Energy



25
year limited
warranty



Models		Mango Power S Plug-In PV
DC parameters		
PV peak power @ STC (W)		300
PV peak operating voltage @ STC (V)		36
MPPT voltage range (V)		16-60
Peak power MPPT voltage range (V)		36~55
Start-up voltage (V)		22
PV peak operating current @ STC (A)		8.39
Maximum input short circuit current (A)		25
Number of MPPTs		1
Output parameters		
Nominal output power (VA)		280
Maximum continuous output current (A)		2.33
Nominal output voltage/range (V)		120(L-N) / 90-160
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%
Efficiency parameters		
CEC efficiency		97%
Mechanical parameters		
Operating temperature range (°C)		-40 to +65 (-40 °F to +149 °F)
Storage temperature range (°C)		-40 to +85 (-40 °F to +176 °F)
Dimensions (L × W × H) [mm]		1675*880*30
Weight (kg)		19.15 (Module + Bracket + Microinverter)
Enclosure rating		NEMA Type 6P / IP68
Cooling		Natural convection
Enclosure protection class		Class II double-insulated
Altitude (m)		< 4000 (< 13,123 ft)
Noise (dB)		< 25
Cable kit parameters		
Cable type		14AWG-2C-TC ER
Number of AC connector		4 per Cable
Cable length (m)		5/3(Extension cable length)
Plug type (Socket interface)		1-15P
Features		
Communication		Wi-Fi Mesh
Indicator		1 x LED
Warranty		25 years (Microinverter+PV)/3 years(Cable kit)
Grid Compliance	CA Rule 21 (UL 1741-SB), UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B. 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.	