M2 4-in-1 Micro Inverter

M2 series 4in1 Micro Inverter, provides solution for residential scenario, covered from 1.8-2.25kW with 4 individual Mppts. With Macro Power in Micro Size slogan, product is more powerful with up to 2250kVA output, 20A DC current, integrated with 4G/Lora/WiFi communication dongle, suitable for different scenario, up to 97% efficiency, and more hassel-free with easy installation and 60V DC safety.

- Max. input current 20A
- 4 individual MPPTs
- Peak efficiency 97.0%
- Max output power reaching 2250VA
- Up to 25-year limited warranty

M2-1.8K-S4 | M2-2K-S4
M2-2.2K-S4 | M2-2.25K-S4

Model	M2-1.8K-S4	M2-2K-S4	M2-2.2K-S4	M2-2.25K-S4
Input Data (DC)				
Recommended PV Module Power (STC) Range [Wp]	400 ~ 700+			
Peak Power Tracking Voltage [V]	35 ~ 50			
Operating Voltage Range [V]	16 ~ 55			
Maximum Input Voltage [V]	60			
Start-up Voltage [V]	25			
Maximum Input Current [A]	20 x 4			
Back-Feed Current [A]	0			
Overvoltage Category	II			
Output Data (AC)				
Maximum Output Power [VA]	1800	2000	2200	2250
Nominal Output Current [A]	7.82	8.7	9.56	9.78
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280			
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65			
Power Factor [cos φ]	> 0.99 default, 0.8 leading ~ 0.8 lagging			
Overvoltage Category	III			
Total Harmonic Distortion [THDi]	<3%			
Maximum Units per 10AWG Branch	4	3	3	3
Efficiency				
Peak Efficiency	97.00%			
CEC Efficiency	96.50%			
Mechanical Data				
Operating Temperature Range	-40℃ to +60℃ (45℃ to 60℃ with derating)			
Communication	Wi-Fi/Sub-1G/4G			
Cooling Method	Natural Convection			
Ambient Humidity	0-100% Non-condensing			
Altitude [m]	2000			
Noise [dBA]	< 20			
Ingress Protection	IP67			
Dimensions [W * H * D][mm]	333*225*40			
Weight [kg]	5.8			
Warranty [Year]	12 (standard), 25 (optional)			
Applicable Standard	EN62109-1/2, EN61000-6-1/2/3/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699, CEI 0-16, CEI 0-21, AS4777.2, NBR16149, NBR 16150, VDE-AR-N 4105, VDE 0126-1-1, RoHS			