5000W Three-phase Micro Inverter





- Three-phase output, ideal for commercial and industrial applications
- Output power up to 5000W with input current up to 20A, perfectly compatible with 182mm and 210mm modules
- Four MPPT channels to maximize energy generation
- Low input voltage design significantly reduces arc fault and electric shock risks, enhancing rooftop system safety
- 8-in-1 design, compatible with Flex-T5 Cable system for faster installation and reduced overall costs
- 2.4G wireless communication ensures and convenient O&M

Model	LN-MS4000C1-S4	LN-MS4500C1-S4	LN-MS5000C1-S4
Input Data (DC)			
Maximum Input Voltage (V)	140		
Commonly Used Module Power (W)	400~650+	560~700+	600~750+
MPPT Voltage Range (V)	12~136		
Number of MPPTs	4		
Number of Inputs per MPPT	1		
Maximum Input Current (A)	4 × 20		
Maximum Input Short Circuit Current (A)	4 × 25		
Output Data (AC)			
Rated Output Power (VA)	4000	4500	5000
Rated Output Current (A)	3 × 5.79	3 × 6.52	3 × 7.25
Nominal Output Voltage Range (V)	230/400, 3L+N+PE		
Nominal Frequency/Range (Hz)	50/45~55		
Power Factor	>0.99 (default)		
Power Factor (Adjustable)	0.95 leading...0.95 lagging		
Total Harmonic Distortion	< 3%		
Max.Numbers per MPPT（2.5mm²）**	3	3	3
Max.Numbers per MPPT（4mm²）	5	4	4
Max.Numbers per MPPT（6mm²）	6	5	5
Efficiency			
CEC Peak Efficiency	96.50%	96.50%	96.50%
CEC Weighted Efficiency	95%	95%	95%
Nominal MPPT Efficiency	99%		
Nighttime Power Consumption (mW)	<50		
Mechanical Data			
Ambient Temperature (°C)	-40~+65		
Dimensions W*H*D (mm)	405×316×60		
Weight (kg)	13		
Ingress Protection	IP67		
Protective Class	I		
Cooling	Natural convection-No fans		
Features			
Communication	WiFi		
Compatibility	Compatible with 60, 72 cell PV modules		
Compliance	EN50549-1:2019, VDE 0124:2020, VDE4105:2018, EN62109-1:2010, EN62109-2:2011, IEC61000-6-3:2021, IEC61000-6-1:2019		