

# Micro Inverter 1-in-1

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Flexible Application
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High Efficiency
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Multiple Protection



- 1-in-1 design, flexible application
  - Wide operating voltage range, flexibly adapted to different PV modules
  - Multiple protection and high reliability, including over voltage, over current, short circuit current and anti-islanding etc.
  - IP67 protection level, reliable and durable, 10-year warranty
  - Independent MPPT control for each input, higher power generation capacity
- High peak efficiency, up to 96.5%
  - Real-time data monitoring, suitable for operation status and maintenance
  - Easy to install, plug and play set-up
  - With Reactive Power Compensation function, flexible to switch on/off and to set multiple compensation modes

Model	LN-MS300C1-S1		LN-MS400C1-S1	LN-MS500C1-S1
Input Data (DC)				
Maximum Input Voltage (V)	60			
Commonly Used Module Power (W)	210~400	210~500	210~600	
MPPT Voltage Range (V)	25~55			
Number of MPPTs	1			
Number of Inputs per MPPT	1			
Maximum Input Current (A)	13			
Maximum Input Short Circuit Current (A)	19.5			
Output Data (AC)				
Rated Output Power (VA)	300	400	500	
Rated Output Current (A)	1.3	1.8	2.2	
Nominal Output Voltage Range (V)	230 (0.85Un~1.1Un)			
Nominal Frequency/Range (Hz)	50 (47~52) or 60 (57~62)			
Power Factor	>0.99 (default)			
Power Factor (Adjustable)	0.95 leading...0.95 lagging			
Total Harmonic Distortion	<3%			
Maximum Output Overcurrent Protection (A)	1.5	2.5	2.5	
Efficiency				
CEC Peak Efficiency	96.5%			
CEC Weighted Efficiency	95%			
Nominal MPPT Efficiency	99%			
Night Power Consumption (mW)	<50			
Mechanical Data				
Ambient Temperature (°C)	-40~+65			
Dimensions W*H*D (mm)	173 × 187 × 41.5			
Weight (kg)	2.6			
Ingress Protection	IP67			
Protective Class	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, EN 62109-1:2010, EN62109-2:2011, IEC61000-6-3:2021, IEC61000-6-1:2019			