Hybrid Mirco Inverter 1200W/2400W





- Built-in energy storage management, directly connects to batteries for self-consumption and surplus energy storage
- Integrated solar and storage solution with seamless on-grid/off-grid switching
- Enhanced safety with low-voltage design for reliable operation
- Flexible capacity expansion with easy installation
- Suitable for balcony PV systems, residential use, outdoor camping, and microgrid applications

Model	LN-MH1200C2-S1	LN-MH2400C4-S1
Input Parameters (DC)		
Input Voltage(V)	18-60	
Commonly Used Module Power(W)	210~800	
MPPT Voltage Range(V)	20-48	
Number of MPPT	2	4
Number of inputs per MPPT	1	
Max. Input Current (A)	17*2	17*4
AC Parameters(On-Grid)		
Rated Voltage(V)	230	
Nominal Frequency(Hz)	50	
Rated Output Power(W)	1200	2400
Max.Output Current(A)	6	12
Rated Input Power(W)	1200	2400
Max.Input Current(A)	6	12
Power Factor	>0.99(+/- 0.8adj.)	
AC Parameters (Off-Grid)		
Rated Voltage(V)	230	
Nominal Frequency(Hz)	50	
Rated Output Power(W)	1200	2400
Max.Input Current(A)	6	12
Battery Parameters		
Battery Voltage(V)	40-60	
Rated Voltage(V)	51.2	
Max.Discharge Power(W)	1200	2400
Max. Discharge Current(A)	27	54
Max.Charge Current(A)	40	80
Efficiency		
Max.Efficiency	96%	96.5%
Nominal MPPT Efficiency	99.6%	
Mechanical Data		
Ambient Temperature(°C)	-40~+65	
Ingress Protection	IP67	
Protective Class	I	
Cooling	Natural convection-No fans	
Features		
Communication	WiFi/CAN	
Compliance	EN50549-1:2019, VDE 0124:2020, VDE4105:2018, EN62109-1:2010, EN62109-2:2011, IEC61000-6-3:2021, IEC61000-6-1:2019	