

Single-Phase Hybrid Energy Storage Inverter

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Connection Protection
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Intelligent Management
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Multiple Inverters Parallel

- Multi-inverter parallel connection
- Economical and efficient, maximum efficiency≥96.5%
- Compatible with lead-acid, lithium-ion batteries and other batteries
- Anti-Flux fuction, self-consumption
- APP monitoring, support multiple working mode
- Intelligent management



Model	LN-M6KL-S1	LN-M8KL-S1	LN-M10KL-S1
Input(DC)			
Max DC power(W)	9000	12000	14000
Max DC Voltage(V)	500		
MPPT voltage range(V)	100-450		
Rated PV Input Voltage(V)	360(100-500)		
Full Load DC Voltage Range(V)	200-425		
PV Input Current(A)	18/18	27/27	
Max.PV Isc	25/25	50/50	
Number of MPP trackers	2		
Strings per MPP tracker	1	2	
Battery Input			
Battery type	Lead-acid or Li-ion		
Battery voltage range(V)	40-60		
Max charge current(A)	150	200	210
Max discharge current(A)	150	200	210
External Temperature Sensor	Yes		
Charging Curve	3 Stages/Equalization		
Charging Strategy for Li-Ion Batteries	Self-adaption to BMS		
Output(AC)			
Rated AC Output Active Power(W)	6000	8000	10000
Maximun AC Output Active Power(W)	6600	8800	10500
AC Output Rated Current(A)	26.2	34.8	43.5
Max AC Output Current(A)	28.8	38.5	45.6
Max Continuous AC Passthrough(A)	35	65	
Peak Power(off grid)	2 time of rated power,10s		
Power Factor Adjustment Range	0.8 leading to 0.8 lagging		
Power Factor	1		
Output Frequency and Voltage	50/60HZ;L/N/PE 220/230Vac		
Grid Type	single phase		
Total Harmonic Distortion(THD)	<0.5%In		
EFFICIENCY			
Max Efficiency	97.60%	97.80%	
Euro Efficiency	96.50%	96.60%	
MPPT Efficiency	99.9%		
Safety and Protection			
Anti-islanding protection	yes		
PV String Input Reverse Polarity Protection	yes		
Insulation Resistor Detection	yes		
Residual Current Monitoring Unit	yes		
Output Over Current Protection	yes		
Output Shorted Protection	yes		
Surge Protection	yes		
Over Voltage Category	DC Type I/AC Type II		
General Parameters			
Operation Temperature Range(°C)	-40-60°C,>45°C Derating		
Cooling	Smart Cooling		
Noise(dB)	≤30		
Communication with BMS	RS485;CAN		
Weight(KG)	25KG		
Dimension(W/H/D)(mm)	520*420*180		
Protecton Degree	IP65		
Installation Style	Wal-mounted		
Certification	CQC,VDE-AR-N4105,IEC61727,IEC62116,VDE0124-AR-N0124,EN50549,IEC62109,IEC62477		