

Split-phase Hybrid Energy Storage Inverter



High Efficiency

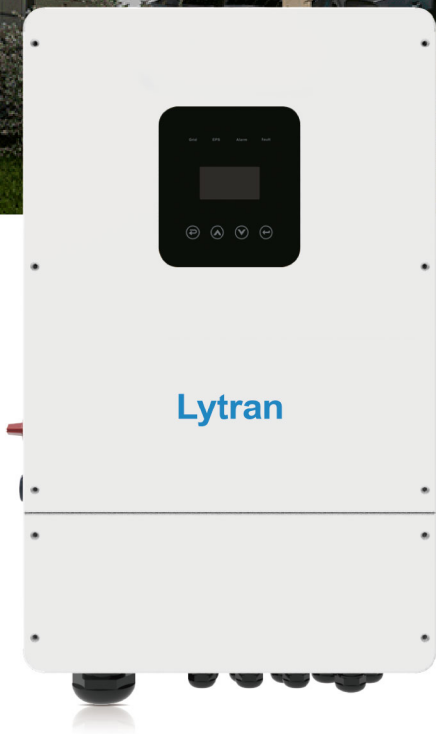


Multiple Inverters Parallel



Diesel Generator Compatibility

- Safe and reliable
- Multi-inverter parallel connection
- Multi inverters parallel mode sharing same battery pack
- Parallel SOC equalization control and parallel current sharing control
- Split-phase topology without transformers, higher system efficiency
- Connected to diesel generator and the grid at the same time



Model	LN-M5KL-SP1	LN-M6KL-SP1	LN-M8KL-SP1
Input Data (PV)			
Max. Power (kW)	7.5	9	12
Max. DC Voltage (V)	500		
MPPT Voltage Range (V)	120~500		
Max. Input Current of Single MPPT (A)	12		
MPPT Number/Max. parallel Strings Number per MPPT	4/1		
Output Data (AC)			
Rated Output Power (kVA)	5	6	8
Max. Output Current (A)	24	28.8	38.3
Ac Output Voltage (V)	120/240 (split phase), 208 (2/3 phase), 230 (single phase)		
Frequency (Hz)	50/60		
Power Factor	0.8 leading...0.8 lagging		
Total Harmonic Distortion	<3%		
AC Output Topology	split phase, 2/3 phase, single phase		
Battery Data (DC)			
Battery Voltage Range (V)	40~58		
Max. Charging Voltage (V)	58		
Max. Charge/Discharge Current (A)	120/120	135/135	190/190
Battery Type	Lithium/Lead-acid Battery		
Communication Interface	CAN/RS485		
EPS Output			
Rated Power (kVA)	5	6	8
Rated Output Voltage (V)	120/240 (split phase), 208 (2/3 phase), 230 (single phase)		
Rated Output Current (A)	24	28.8	38.3
Rated Frequency (Hz)	50/60		
Automatic Switching Time (ms)	<20		
Total Harmonic Voltage Distortion	<2%		
Overload Capacity	125%, 60S/150%, 1S		
General Data			
Max. Efficiency	≥98.2%		
North American Efficiency	≥97.2%		
Ingress Protection	IP65/NEMA 3R		
Noise Emission (dB)	<25	<29	<29
Operation Temperature (°C)	-25~60 (-13°F~140°F)		
Cooling	Natural Convection		
Relative Humidity	0~95% (No Condensation)		
Altitude (m)	≤2000 (≤6561.67 ft)		
Dimensions W*H*D (mm)	430 × 710 × 220 (16.93 × 27.95 × 8.66 in)		
Weight (kg)	41 (90 lbs)		
Isolation Transformer	No		
Self-Consumption (W)	<3		
Display And Communication			
Display	LCD touch screen		
Interface: RS485/Wifi/4G/CAN/DRM	Yes		
Safety Standard	UL1741SA all options, UL1699B, CSA 22.2		
EMC	FCC Part 15, Class B		
On-Grid	IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I, II, III, NRS		