

Product addendum

Energy Storage

Hybrid Inverter



Flexible

- Various working modes can be set flexibly.
- Flexible Battery Type (li-ion,lead-acid).
- PV controller can be expanded to facilitate flexible configuration of photovoltaic capacity.

Convenient

- Integrated design to support loads, batteries, power grids, diesel generators and PV be connected.
- Integrated EMS function, power supply security and stability, maximum utilization of new energy.

Reliable

- Prediction intelligent battery management and discharge time.
- CAN and RS485 communication interface, modbus protocol.
- Seamless transfer between on and off grid.
- Strong load adaptability.
- Perfect protection function to protect inverters and batteries.

Application Scenario



Off-grid mines



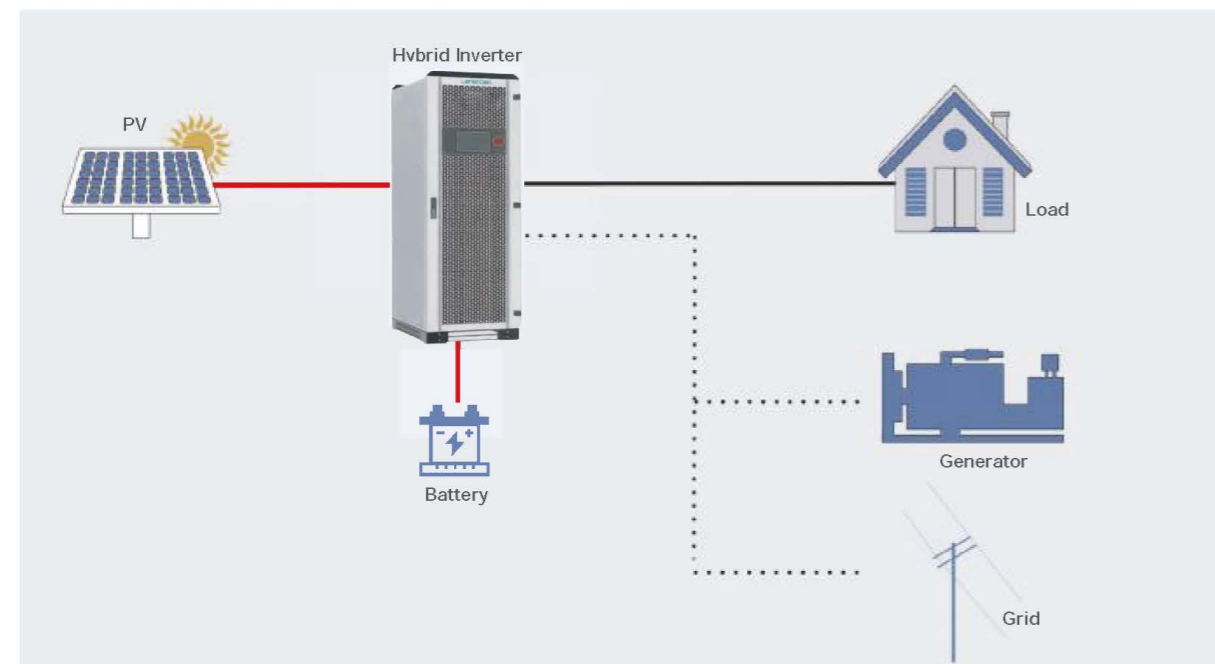
Off-grid islands



Off-grid villages



Off-grid farms



Model	LC-MPS030	LC-MPS050	LC-MPS100	LC-MPS150	LC-MPS250	LC-MPS500
AC(grid-connected)						
Apparent power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Rated power	30kVA	50kVA	100kVA	150kVA	250kVA	500kVA
Rated voltage	400V					
Rated current	43A	72A	144A	217A	361A	722A
Voltage range	320V-460V					
Rated frequency	50/60Hz					
Frequency range	45-55/55-65Hz					
THDI	<3%					
PF	1(0.8lagging-0.8leading)					
AC connection	3W+N+PE					
Transformer	Yes					
AC(off-grid)						
Apparent power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Rated power	30kW	50kW	100kW	150kW	500kW	550kVA
Rated voltage	400V					
Rated current	43A	72A	144A	217A	361A	722A
THDU	≤2% linear					
Rated frequency	50/60Hz					
Overload capability	110%-10min 120%-1min					
PV						
Max. PV open-circuit voltage	10000V DC					
MAX PV power	60/120kW		120/180/240kW		300/360kW	600/660/720kW
MPPT voltage range	200V DC-850V DC					
Battery						
Battery voltage range	150V-850V	150V-850V	320V-850V	420V-850V	420V-850V	500V-850V
Max. charging power	60/120kW		120/180/240kW		300/360kW	600/660/720kW
General data						
Dimension(WXDXH)	800/800/1900mm		1200/800/2050mm		1800/800/2050	2800/1050/2050
Weight	440kg	620kg	900kg	1250kg	1700kg	3520kg
Environmental temperature	-25°~+55°					
Relative humidity	0-95%non-condensing					
Protection degree	IP20					
Noise emission	<65dB					
Maximum altitude	5000m(derate over 3000m)					
Standby consumption	<300W					
Cooling	Forced air					
Communication						
Display	Touch screen LCD					
Communication interface	RS484/CAN					