120kW PV Energy Storage hybrid inverter



Modular Design

System Expansion

High DC Voltage Utilization

- Hybrid connection
- Three-phase four-Leg topology
- supporting 100% unbalanced load
- Customize EMS,BMS control strategy
- 350-1000V wide battery voltage range (Widest in industry)
- Support parallel connection.



Model	LN-G2-90KF-N1	LN-G2-100KF-N1	LN-G2-110KF-1	LN-G2-120KF-N1
AC Parameters				
Rated AC power	90kVA	100kVA	110kVA	120kVA
Wire connection	Three-Phanse Four-Wire +PE			
Max. output power	99kVA	110kVA	121kVA	9132kVA
Allowable grid voltage	380/400 (-15%~15%) Vac			
Allowable grid frequency	50/60 (-2.5~2.5) Hz			
Rated current	130.4A	144.9A	159.4A	173.9 A
Max. current	143A	159A	175A	191 A
THDi	≤3%			
Power factor	0.99/-0.8~0.8			
PV Input Parameters				
Max. input power	150kW			
Mppt. Voltage range	300~1000 (550~850 full loaded) Vdc			
Max. input DC current	60A*4 MPPT			
Max. input Voltage	1100V			
Battery Input Parameters				
Rated power	90kW	100kW	110kW	120kW
Battery Voltage range	350V-1000V			
Max. charging current	150A	161A	183A	200A
Regulated DC ripple factor	≤±2%			
System Parameters				
Max. efficiency	>98.5%			
Dimension（Length×Height×Depth）	800×680×330 mm			
Net Weight	128.32kgs			
Gross Weight	138.58kgs			
Noise emission	<65dB			
Ingress protection	IP66			
Allowable temperature	-25~60°C (Derating when>45°C)			
Cooling concept	Intelligent air cooling			
Allowable humidity	0~100% (No condensation)			
Allowable altitude	3000m (Derating when >2000m)			
Communication Parameters				
Display	LCD Display			
Communication interface	RS485, Ethernet, CAN			
Communication agreement	ModbusTCP/RTU			
BMS interface	Support			
Features				
Certificate	IEC,VDE,RCM,Rohs,CEC			