



RESIDENTIAL HYBRID INVERTER

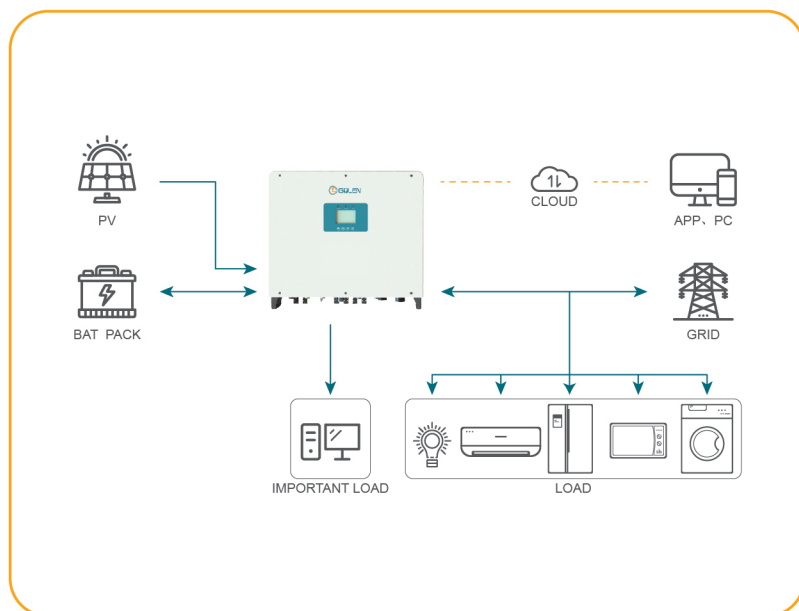
(Single Phase)

LEI-6K / 8K / 10K / 12K-SL



Product Features

- Compatible with various batteries , perfect protection function & strong environmental adaptability
- Wide DC input voltage range design
- Multi-channel PV MPPT access to improve power generation utilization
- Light weight, natural cooling and low noise
- Ingress protection IP65, wall mounted design
- Battery reverse polarity protection
- Compatible anti-backflow function
- Seamless switching between off-grid and on-grid
- Max. efficiency up to 98.2%
- Multiple working mode: Self-use mode, Time-of-use mode, Timing mode, Passive mode
- Remote monitoring of PC and mobile phones



Villa



Hotel



Residential electricity



Hospital



Museum



Church



Farm

Technical Specifications

MODEL	LEI-6K-SL	LEI-8K-SL	LEI-10K-SL	LEI-12K-SL
PV Input				
PV Input Power [W]	7800	10400	13000	15600
Start-up Voltage [V]	120			
Max. PV Input Voltage [V]	500			
MPPT Voltage Range [V]	125~500			
MPPT Working Voltage For Full Load [V]	264~450	352~450	220~450	264~450
MPPT Number/Max. Number Of Strings Per Channel	4/2			
Max. MPPT Input Current [A]	24 (12/12)			
Battery				
Battery Type	Lithium,Lead-acid			
Number Of Battery Input	2			
Battery Voltage Range [V]	85~460			
Battery Voltage Range For Full Load [V]	100~460	150~460	200~460	250~460
Max Charge&Discharge Current [A]	80/80			
Communication	CAN/RS485			
Charging Strategy For Battery	According to BMS Instructions/Stages (Lead-acid)			
AC Output (Grid-side)				
Rated Output Power [W]	6000	8000	10000	12000
Max. Output Power [VA]	6600	8800	11000	13200
Rated Output Voltage [V]	±120/240			
Grid Voltage Range [V]	211~264			
Max. Output Current [A]	25	30.3	41.6	50
AC Output Frequency [Hz]	50/60 (45~54.9/54.9~65)			
Power Factor	1 (0.8 leading-0.8 lagging)			
THDi (Rated Power)	<3%			
Backup AC Output (EPS)				
Rated Backup Output Power [VA]	6000	8000	10000	12000
Max. Backup Output Power [VA]	7500 60s,9000 1s	10000 60s,12000 1s	12500 60s,15000 1s	15000 60s,18000 1s
Max. Output Current [A]	31.2	41.6	52	62.5
Backup Output Voltage [V]	110~120/220~240 Split Phase			
AC Frequency [Hz]	50/60 (±0.2%)			
THDu (@linear load)	<3%			
Switch Time	<10ms			
Efficiency				
Max. Efficiency	98.2%			
General Data				
Protection	DC Lightning Protection,AC Lightning Protection,PV Reverse Polarity Protection,Battery Reverse Protection,Insulation Resistor Detection,Leakage Current Detection,Anti-island Protection,Grounding Fault,Input Overvoltage & Undervoltage,Output Overvoltage & Undervoltage,Input Over Current,Output Over Current,Overheat Protection			
Temperature Range [°C]	-25~+60			
Relative Humidity	0~95%			
Altitude [m]	0~4000 (>2000 derating)			
Cooling Method	Smart fan cooling			
Noise [dB]	<40			
Display	LCD			
Communication	RS485 (Standard);Wi-Fi/GPRS/Ethernet (Option)			
BMS Communication	RS485/CAN			
Weight [kg]	32			
Dimension (W * D * H) [mm]	660 * 200 * 530			
Installation Style	Wall-mounted			
Ingress Protection	IP65			
Standby Self Consumption [W]	<10			
Grid Standard	VDE4105/EN50549			
Safety Standard	CE/IEC62109			