



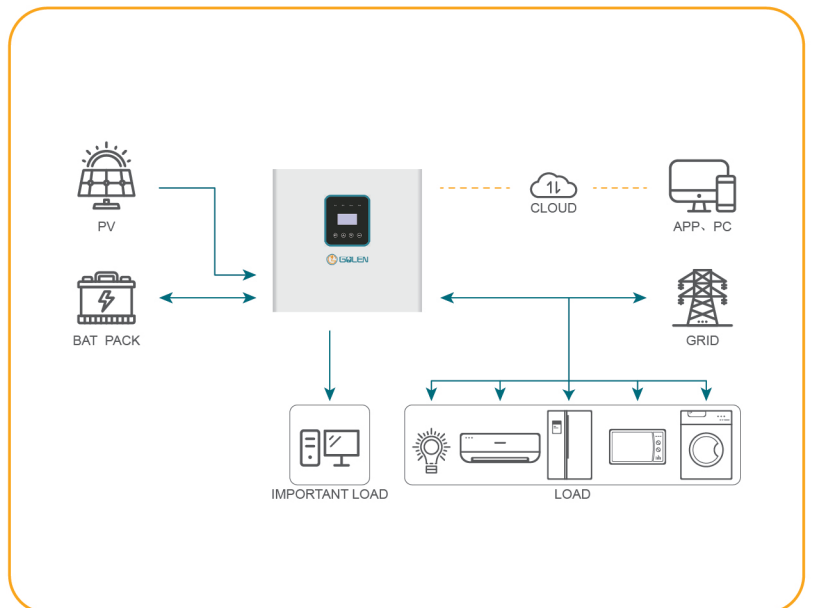
# RESIDENTIAL HYBRID INVERTER

*(Single Phase)*

**LEI-3K / 3.6K / 4K / 4.6K / 5K / 6K-SL-A**

## Product Features

- Compatible with various batteries, perfect protection function & strong environmental adaptability
- Wide DC input voltage range design
- 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
- Multi-period charge and discharge design, guarantee user's investment income
- Household intelligent energy management terminal



Villa



Hotel



Residential electricity



Hospital



Museum



Church



Farm

## Technical Specifications

MODEL	LEI-3K-SL-A	LEI-3.6K-SL-A	LEI-4K-SL-A	LEI-4.6K-SL-A	LEI-5K-SL-A	LEI-6K-SL-A
<b>PV Input</b>						
Max. DC Input Power [W]	4600		6000		7000	
Max. Input Voltage [V]	550					
MPPT Voltage Range/Rated Voltage [V]	125~500/360					
PV Input Current [A]	14/14					
Number Of MPPTS	2/1					
<b>AC Output</b>						
Rate Output Power [VA]	3000	3600	4000	4600	5000	6000
Max. Output Current [A]	13	16	17.4	20	21.7	26
Grid Voltage/Range [V]	230/176~270					
Grid Frequency [Hz]	50/60					
Power Factor	1(0.99 leading...0.99 lagging)					
THDi	<3%					
Grid Connection Type	L+N+PE					
<b>EPS Output</b>						
Rated Power [VA]	3000	3600	4000	4600	5000	6000
Rated Output Current [A]	13	16	17.4	20	21.7	26
Rated Output Voltage [V]	230					
Rated Output Frequency [Hz]	50/60					
Automatic Switching Time	<20ms					
THDu	<2%					
Overload Capacity	110%,60s/120%,30s/150%,10s					
<b>Battery</b>						
Max. Charging Voltage [V]	58					
Battery Voltage Range [V]	40~58					
Max. Charge/Discharge Current [A]	95/104.2					
Battery Type	Lithium,Lead-Acid					
Communication Interface	CAN					
<b>Efficiency</b>						
Max. Efficiency	97.6%					
Euro Efficiency	97%					
MPPT Efficiency	99.9%					
<b>General data</b>						
Ingress Protection	IP65					
Noise [dB]	<35					
Temperature Range [°C]	-25~+60					
Cooling Method	Natural cooling					
Relative Humidity	0~95% No Condensation					
Altitude [m]	>2000m Derating					
Dimensions(W * D * H) [mm]	550 * 200 * 515					
Weight [Kg]	26					
Display	LCD					
Communication Mode	RS485,Wifi,GPRS,CAN,DRM					
Standards and Certification	CE,TUV,SAA,IEC62116:2014,IEC61683:1999					