



RESIDENTIAL HYBRID INVERTER

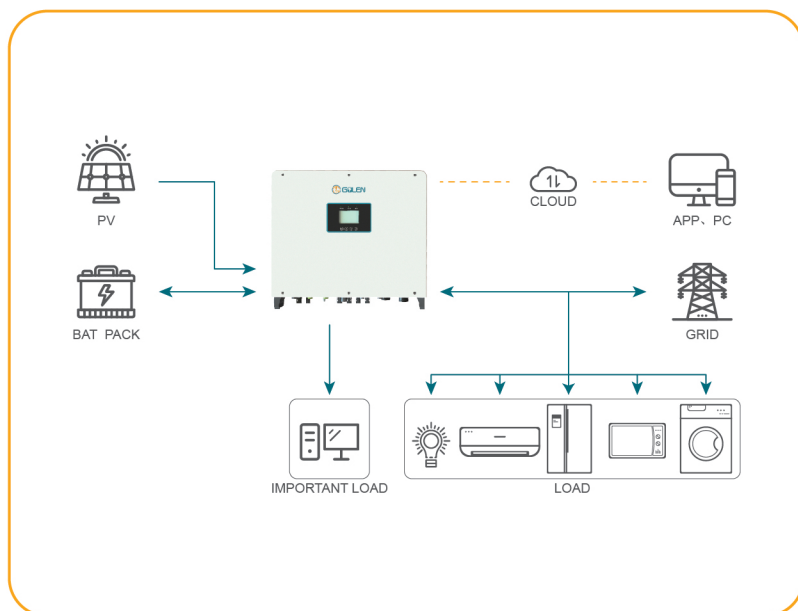
(Three Phase)

LEI-10K / 12K / 15K / 20K-TL



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
- Off-grid output connection unbalanced load, support three phase independent output
- 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



Office building



Hospital



Museum



Church



Farm

Technical Specifications

MODEL	LEI-10K-TL	LEI-12K-TL	LEI-15K-TL	LEI-20K-TL
PV Input				
PV Input Power [W]	15000	18000	22500	30000
Start-up Voltage [V]	200			
Max. PV Input Voltage [V]	1000			
MPPT Voltage Range [V]	180~960			
MPPT Working Voltage For Full Load [V]	220~850	264~850	350~850	450~850
MPPT Number/Max. Number of Strings Per Channel	2/2			
Max. MPPT Input Current [A]	50 (25/25)			
Battery				
Battery Type	Lithium,Lead-acid			
Number Of Battery Input	2			
Battery Voltage Range [V]	180~800			
Battery Voltage Range For Full Load [V]	200~800	240~800	300~800	400~800
Max. Charge&Discharge Current [A]	50 (25/25)			
Communication	CAN/RS485			
Charging Strategy For Battery	According to BMS instructions/3 Stages (Lead-acid)			
AC Output (Grid-side)				
Rated Output Power [W]	10000	12000	15000	20000
Max. Output Power [VA]	11000	13200	16500	22000
Rated Output Voltage [V]	3/N/PE,220/380,230/400			
Grid Voltage Range [V]	184~276			
Max. Output Current [A]	16	19	24	32
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]	10000	12000	15000	20000
Max. Backup Output Power [VA]	11000 60s,15000 1s	13200 60s,18000 1s	16500 60s,22500 1s	22000 60s,30000 1s
Max. Output Current [A]	16	19	24	32
Backup Output Voltage [V]	3/N/PE,220/380,230/400			
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]	37			
Dimension (W * D * H) [mm]	591 * 271 * 585			
Installation Style	Wall-mounted			
Ingress Protection	IP65			
Standby Self Consumption [W]	<15			
Grid Standard	VDE4105/EN50549			
Safety Standard	CE/IEC62109			