



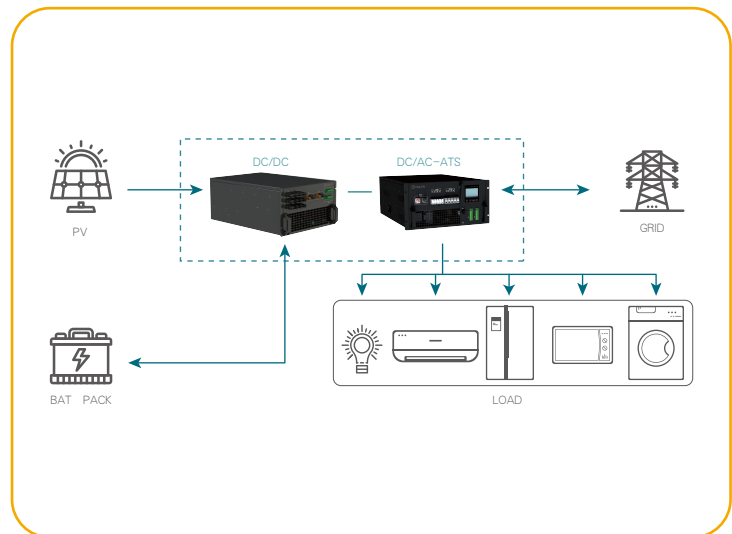
COMMERCIAL HYBRID INVERTER

(High Frequency)

LEI-20K / 30K-TL

Product Features

- With ATS module, it supports seamless switching between off grid and grid connection, wide DC voltage input, compatible with various batteries
- Multiple working modes design, support online switching, flexible allocation of the charging & load source in priority
- Three-phase 100% unbalanced load, strong load adaptability
- Multi-channel PV MPPT access to improve power generation utilization
- Refined battery management, support constant voltage, constant current, constant power charge & discharge mode
- Modular design, convenient for multiple parallel screens
- Adopts three-level topology, Max. efficiency up to 98.6%, better power quality



Microgrid



Communication base station



Factory



Farm



Mall



Hospital



Hotel

Technical Specifications

MODEL	LEI-20K-TL	LEI-30K-TL
DC Input (PV)		
Max. Input Voltage [V]	900	
MPPT Voltage Range [V]	250~900	
Number Of MPPTs	3	
Max. Input Power Per MPPT [kW]	10	
Max. Current Per MPPT [A]	25	
Battery		
Battery Type	Lithium,Lead-Carbon,Lead Acid etc	
Operating Voltage Range [V]	250~650	
AC Output (On Grid)		
Rated Output Power [kW]	20	30
Max. Output Apparent Power [kVA]	22	33
Rated Grid Voltage [V]	3/N/PE,230/400	
Rated Grid Frequency [Hz]	50/60	
AC Output (Off Grid)		
Rated Output Power [kW]	20	30
Max. Output Apparent Power [kVA]	22	33
Overload Capacity	110% Long Run	
Rated Output Voltage [V]	3/N/PE,230/400	
Rated Output Frequency [Hz]	50/60	
THDi	<3%(Linear load)	
Unbalanced Load Capacity	100%	
Protection		
AC Short Circuit Protection	Yes	
Polarity Reverse Protection	Yes	
Surge Protection	Yes (PV+Grid Side+Load)	
Efficiency		
Max. Efficiency	98.6%	
General Data		
U-Box Dimensions (W * D * H)[mm]	1(436 * 240 * 650)+1(436 * 240 * 650)	
Weight [Kg]	40+40	
Combination Mode	1(DC/DC)+1(DC/AC/ATS)	
Isolation Transformer	No	
Temperature Range [°C]	-30~+55	
Shutdown Self Power Consumption [W]	<50	
Cooling Method	Forced air cooling	
Installation Mode	Rack mount	
Ingress Protection	IP20	
Relative Humidity	0~95%,non-condensing	
Max. Altitude [m]	4000(>3000 derating)	
Display Mode	Touch screen	
Dispatching Communication Mode	Ethernet,RS485	
BMS Communication Mode	RS485,CAN	
Communication Protocol	Modbus-RTU/TCP	