



COMMERCIAL HYBRID INVERTER

(Built-in Transformer)

LEI-30K / 50K / 60K / 100K / 125K / 150K-TT

Product Features

- Can be used in high-altitude, alpine areas
- Multi-channel PV MPPT access to improve power generation utilization
- Power frequency topology, industrial design
- Wide DC input voltage range design, compatible with various batteries
- High-performance DSP, optimized control circuit design, better performance
- Intelligent management control strategy, multiple working modes, online or remote switching
- Cold start with load, three-phase 100% unbalanced load, strong load adaptability
- Support diesel generator access, seamless switching between on-grid and off-grid (optional)
- AC and DC dual power backup, ensure the power supply of the control system



Microgrid



PV power station



Factory



Mine



Farm



Hospital



Hotel

Technical Specifications

MODEL	LEI-30K-TT	LEI-50K-TT	LEI-60K-TT	LEI-100K-TT	LEI-125K-TT	LEI-150K-TT
DC Input (PV)						
Max. Input Voltage [V]	850					
MPPT Voltage Range [V]	600~850					
Number of MPPTs	3					
Max. Input Power Per MPPT [kW]	10	20			30	
DC Input (Battery)						
Battery Type	Lithium, Lead-Carbon, Lead Acid etc					
Operating Voltage Range [V]	320~600			400~600		
AC Output (Grid-side)						
Rated Output Power [kW]	30	50	60	100	125	150
Max. Output Apparent [kVA]	33	55	66	110	137	165
Rated Grid Voltage [V]	3/N/PE,230/400					
Rated Grid Frequency [Hz]	50/60					
AC Output (Loads)						
Rated Output Power [kW]	30	50	60	100	125	150
Max. Output Apparent [kVA]	33	55	66	110	137	165
Overload Capacity	110% for Ten Minutes, 120% for One Minutes					
Rated Grid Voltage [V]	3/N/PE,230/400					
Rated Grid Frequency [Hz]	50/60					
THDi	<3% (Rated Output Power)					
Unbalanced Load Capacity	100%					
Protection						
AC Short Circuit Protection	Yes					
DC Reverse Polarity Protection	Yes					
Surge Protection	Yes (PV-side & Grid-side)					
Efficiency						
Max. Efficiency	92.0%	93.0%			94.0%	
General Data						
Dimensions (W * D * H)[mm]	950 * 1953 * 700			1200 * 2050 * 800		
Net Weight [kg]	650	650	800	900	1050	1250
Isolation Transformer	Yes					
Temperature Range [°C]	-30~+55					
Shutdown Self power Consumption [W]	<50					
Cooling Method	Forced air cooling					
Installation Style	Cabinet Installation					
Ingress Protection	IP20					
Relative Humidity	0~95%, non-condensing					
Max. Altitude [m]	5000 (>3000 Derating)					
Display Mode	Touch screen					
Dispatching Communication Mode	Ethernet, RS48					
BMS Communication Mode	RS485, CAN					
Communication Protocol	Modbus-RTU/TCP					