



COMMERCIAL AC-COUPLED INVERTER

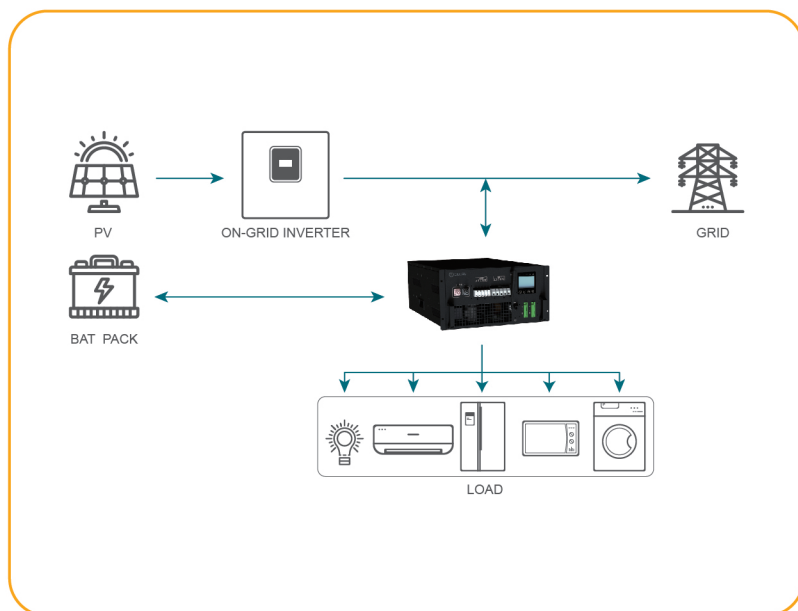
(High Frequency)

LEG-30K / 50K / 60K-TL-P



Product Features

- Compatible with various batteries, perfect protection function & strong environmental adaptability
- Wide DC input voltage range design
- Local EMS function integrated
- Three-phase 100% unbalanced load, strong load adaptability
- Intelligent DSP digital control, data processing higher accuracy & faster speed
- Modular design, support expansion
- Support anti-backflow function (optional)
- Seamless switching between on-grid and off-grid (optional)
- Adopts three-level topology, Max. efficiency up to 98.5%, better power quality



Microgrid



Communication base station



Factory



Farm



Mall



Hospital



Hotel

Technical Specifications

MODEL	LEG-30K-TL-P	LEG-50K-TL-P	LEG-60K-TL-P
Battery			
Battery Type	Lithium,Lead-carbon,Lead acid,etc		
Operating Voltage Range [V]	650~900		
AC Output (Grid-side)			
Rated Power [W]	30000	50000	60000
Max. AC Power [VA]	33000	55000	66000
Max. Output Current [A]	43	72	86
Rated Grid Voltage [V]	3/N/PE,230/400		
Rated Grid Frequency [Hz]	50/60 (± 5%)		
THDi	<3% (Rated power)		
DC Component	<0.5% In		
AC Output (Load)			
Rated Output Power [W]	30000	—	—
Max. Output Power [VA]	33000		
Overload Capacity	110% Long Run		
Rated Output Voltage [V]	3/N/PE,230/400		
Rated Frequency [Hz]	50/60		
THDu	<3% (Linear Load)		
Unbalanced Load	100.0%		
Protection			
Protection	DC Reverse Polarity Protection,AC Short Circuit Protection,Leakage Current Protection,Grid Monitoring,Anti-island Protection,Surge Protection		
Efficiency			
Max. Efficiency	98.0%	98.6%	
General Date			
Dimension (W * D * H) [mm]	483 * 650 * 240		
Weight [kg]	40		
Transformer Isolation	No		
Temperature Range [°C]	-30~+55 (>+45 Derating)		
Cooling Method	Smart fan cooling		
Ingress Protection	IP20		
Relative Humidity	≤ 95% (no condensation)		
Altitude [m]	4000 (>3000 derating)		
Display	Touch Screen		
Scheduling Communication	Ethernet,RS485		
BMS Communication	RS485,CAN		
Communication Protocol	MODBUS-RTU/TCP		