



COMMERCIAL PCS

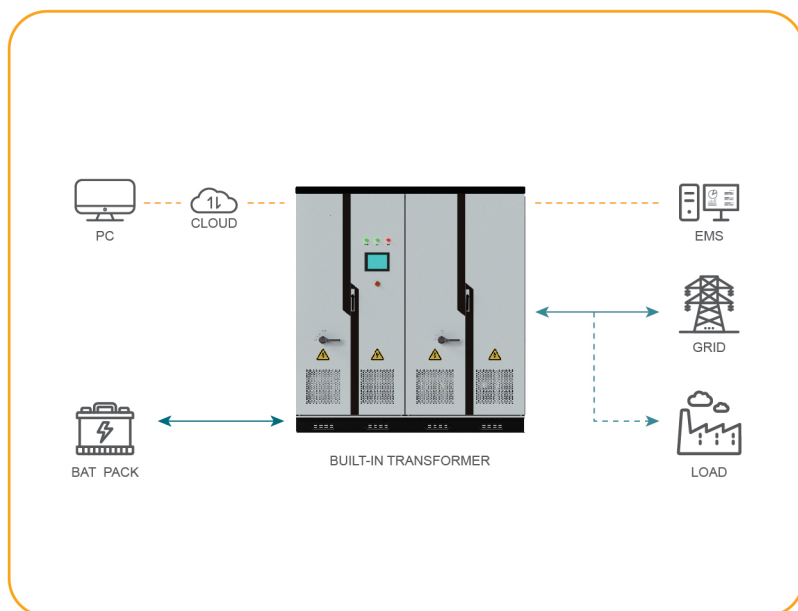
(Built-in Transformer)

LEG-500K / 630K-TT



Product Features

- Can be used in high-altitude, alpine areas
- Power frequency topology, industrial design
- AC and DC dual power backup, ensure the power supply of the control system
- High power density, Max. efficiency up to 98.2%
- High-performance DSP, optimized control circuit design, better performance
- DC wide voltage input, compatible with various batteries
- Functions of grid connected charging & discharging and off grid independent inverter
- Reactive power and active power are adjustable
- Support diesel generator access, switching between on-grid and off-grid (optional)
- Cold start with load, Three-phase 100% unbalanced load, strong load adaptability
- Friendly grid adaptability, accept power grid dispatch
- Intelligent management control strategy, multiple working modes, online or remote switching



Microgrid



PV power station



Wind power station



Industrial and commercial



Grid side



Hybrid charging

Technical Specifications

MODEL	LEG-500K-TT	LEG-630K-TT
DC Input (PV)		
Max. DC Voltage [V]	850	
Operating Voltage Range [V]	500-850	630-850
AC Output (On Grid)		
Rated Power [kW]	500	630
Max. AC Power [kVA]	550	693
Max. AC Current [A]	794	1000
Rated Grid Voltage [V]	400	
Rated Grid Frequency [Hz]	50/60	
Rated Frequency Range [Hz]	45-55/55-65	
Power Factor at Rated Power	>0.99	
THDi	<3% (Rated power)	
Power Factor	0.9 leading to 0.9 lagging	
AC Output System	3W/N/PE	
AC Output (Off Grid)		
Rated Output Power [kW]	500	630
Max. Output Power [kVA]	555	693
Rated Output Voltage [V]	400	
Rated Frequency [Hz]	50/60	
THDu	<3% (Linear load)	
Unbalanced Load Capacity	100%	
Protection		
DC Overvoltage Protection	Yes	
DC Short Circuit Protection	Yes	
AC Overvoltage Protection	Yes	
Polarity Reverse Protection	Yes	
Module Temperature Protection	Yes	
Efficiency		
Max. Efficiency	97.6%	
General Parameters		
Dimensions (W * D * H) [mm]	2100 * 1050 * 2260	2400 * 1050 * 2260
Net Weight [kg]	3000	3200
Isolation Transformer	Yes	
Temperature Range [°C]	-30~+55	
Shutdown Self power Consumption [W]	<50	
Cooling Method	Forced air cooling	
Installation Style	IP20	
Relative Humidity	0~95%,non-condensing	
Max. Altitude [m]	5000 (>3000 derating)	
Display Mode	Touch screen	
Dispatching Communication Mode	Ethernet,RS485	
BMS Communication Mode	RS485,CAN	
Communication Protocol	Modbus,IEC104	