

# C&I Hybrid Inverter

WUXI LEES POWER COMPANY LIMITED

## Performance characteristics >>>

### User-friendly

- Modular design, easy installation and maintenance, and easy expansion.
- Friendly man-machine operation interface, with background remote data transmission function.

### Reliable

- Support bidirectional power conversion.
- Using dual-stage topology and battery voltage input range is wide.

### Intelligent

- Support the grid-connected and off-grid operation and cooperate with STS to realize automatic and seamless switching between grid-connected and off-grid states to ensure the continuity of load power supply.

### Efficient

- Built-in transformer.
- Support photovoltaic panel access with a photovoltaic maximum power tracking function.



## Technical parameters

Model	LS-PCS50-HY	LS-PCS100-HY	
<b>On-Grid Mode</b>			
PV Input	PV voltage range	520~900V (MPPT 520~800V)	
	Max. current	192A	384A
	Max. power	100kW	200kW
Battery	Battery voltage range	250~520V (Rated voltage 460V)	
	Max. current	120A	240A
	Max. power	55kW	110kW
AC(Grid-connected)	Rated power	50kW	100kW
	Rated voltage	400V±15%	
	Rated frequency	50Hz/60Hz±2.5Hz	
	Rated current	72A	144A
	THDi	< 3%	
	Power factor	-1~1	
<b>Off-Grid Mode</b>			
PV Input	PV voltage range	520~900V (MPPT 520~800V)	
	Max. current	192A	384A
	Max. power	100kW	200kW
Battery	Battery voltage range	250~520V (Rated voltage 460V)	
	Max. current	120A	240A
	Max. power	55kW	110kW
AC(Off-grid)	Rated voltage	400V±10% (Adjustable)	
	Rated frequency	50Hz/60Hz	
	Rated current	72A (Max.79A)	144A (Max.158A)
	Rated power	50kW	100kW
	Max. power	55kW	110kW
	THDu	≤3% (linear)	
	Power factor	0.1 Lagging~1 leading	
	Overload Capacity	110%: 10min 120%: 1min	
General Data	Cooling	Forced-air	
	Noise emission	≤70dB	
	Operating temperature	-20℃~50℃ (>45℃ Derating)	
	Ingress protection	IP20 (IP54 customizable)	
	Altitude	3000m (>2000m Derating)	
	Relative humidity	0~95% (non-condensing)	
	Dimension (W/H/D)	800*2200*900mm	
Others	Weight	750kg	1200kg
	Max. efficiency	95.50%	95.50%
	AC connection	3W+N+PE	
	Isolation mode	with isolation transformer	
	Protection function	under/over voltage, over-heat, Abnormal frequency, AC phase dislocation, over-current, communication malfunction, Fan Failure, Insulation impedance detection, Anti-islanding	
	Display	Touch screen	
	Communication	RS485, CAN, LAN	