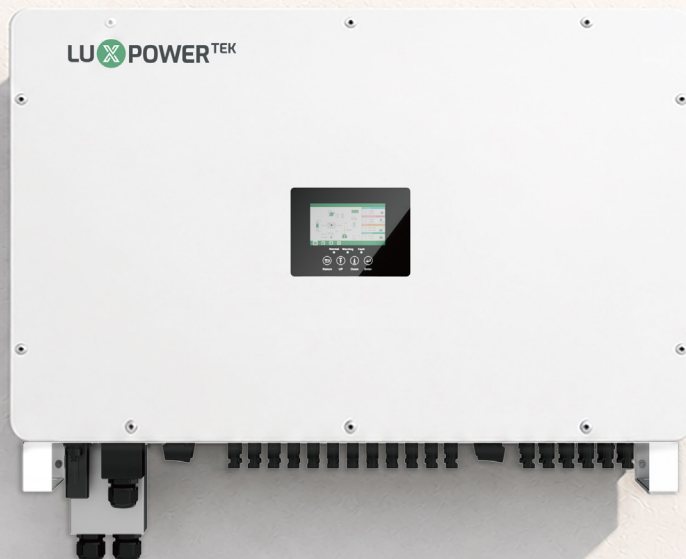


LU X POWER^{TEK}

DC RETROFIT //

LSP 100K

(Single-Phase)



100/200kW

Max. PV output/input power



24/12

MPPT Input/output



24/7

Real-time monitoring

- Advanced power management logic
- Retrofit on-grid system for energy storage
- IP65 for indoor/outdoor installation
- Colorful touch LCD

SPECIFICATIONS

Model	LSP 100K	
PV Input		
Max. input power (kW)	200	
Max. input voltage (V)	1100	
Rated PV input voltage (V)	630	
MPPT voltage range (V)	300 ~ 900	300 ~ 1000
Start-up voltage (V)	330	
Max. short-circuit per MPPT (A)	33	
Max. current per MPPT input (A)	26	
Number of MPPT inputs	12	
Number of input strings	24	
Battery		
Type	Lithium-ion	
Max. charge / discharge power (kW)	100	
Voltage range (V)	300 ~ 850*	300 ~ 700*
Max. charge / discharge current (A)	200	
Max. charge / discharge efficiency	98.1%	
PV Output		
DC-DC output rated power (kW)	100	
Normal output voltage (V)	630	
Output voltage range (V)	500 ~ 1000	
Max. output current (A)	20	
Output strings	12	
Output trackers	12	
Protection		
DC reverse-polarity protection	Yes	
DC surge protection	Type III	
General		
Dimensions (W × H × D)	1015 × 680 × 310 mm / 39.9 × 26.8 × 12 in	
Weight (with mounting plate)	120 kg / 264.5 lbs	
Protection degree rating	IP65	
Topology	Transformerless	
Cooling method	Natural Cooling	
Relative humidity	0% ~ 100%	
Operating environment temperature range (°C)	-25 ~ 60	
Connector (PV input and output)	MC4	
Battery connector	Screw	
Max. operating altitude (m)	4000	
Warranty	5 years	
Display	Touch color screen, LED + LCD	
Communication interface	RS485 / CAN / Wi-Fi	
Standards & Certifications		

*Note: The 300~700V battery voltage range corresponds to a 300~1000V PV input;
The 300~850V battery voltage range corresponds to a 300~900V PV input

