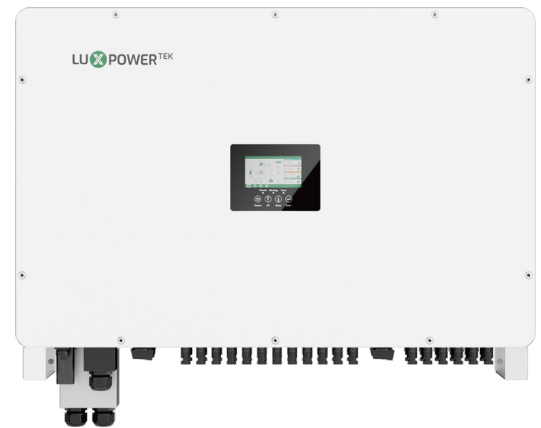


DC RETROFIT

LSP 100K

- Max. 200kW PV input and 100kW PV output
- Retrofit on-grid system to hybrid system (energy storage)
- DC-coupling, 24 MPPT inputs and 12 MPPT outputs
- 24/7 real-time monitoring via free LUX app and web
- Advanced power management logic
- Colorful touch LCD, IP65 for indoor/outdoor installation



Model	LSP 100K
INPUT (PV DC)	
Max. input power(kW)	200
Max. input voltage(V)	1100
Rated PV input voltage(V)	630
MPPT voltage range(V)	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/Lead-acid
Max. charge/discharge power(kW)	100
Voltage range(V)	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*310mm / 39.9*26.8*12 in
Weight(with mounting plate)	120kg/264.5lbs
Protection degree rating	IP65
Topology	Transformer-less
Cooling method	Natural Cooling
Relative humidity	0%~100%
Operating environment temperature range(°C)	-25~60
Connector(PV input and Output)	MC4
Battery connector	Screw
Altitude(m)	<4000
Warranty	5 years
Display	Touch color screen, LED+LCD
Communication interface	RS485/CAN/Wi-Fi
Standards & Certifications	
EN 62109-1 / -2, EN61000	

